

FIGURE 1

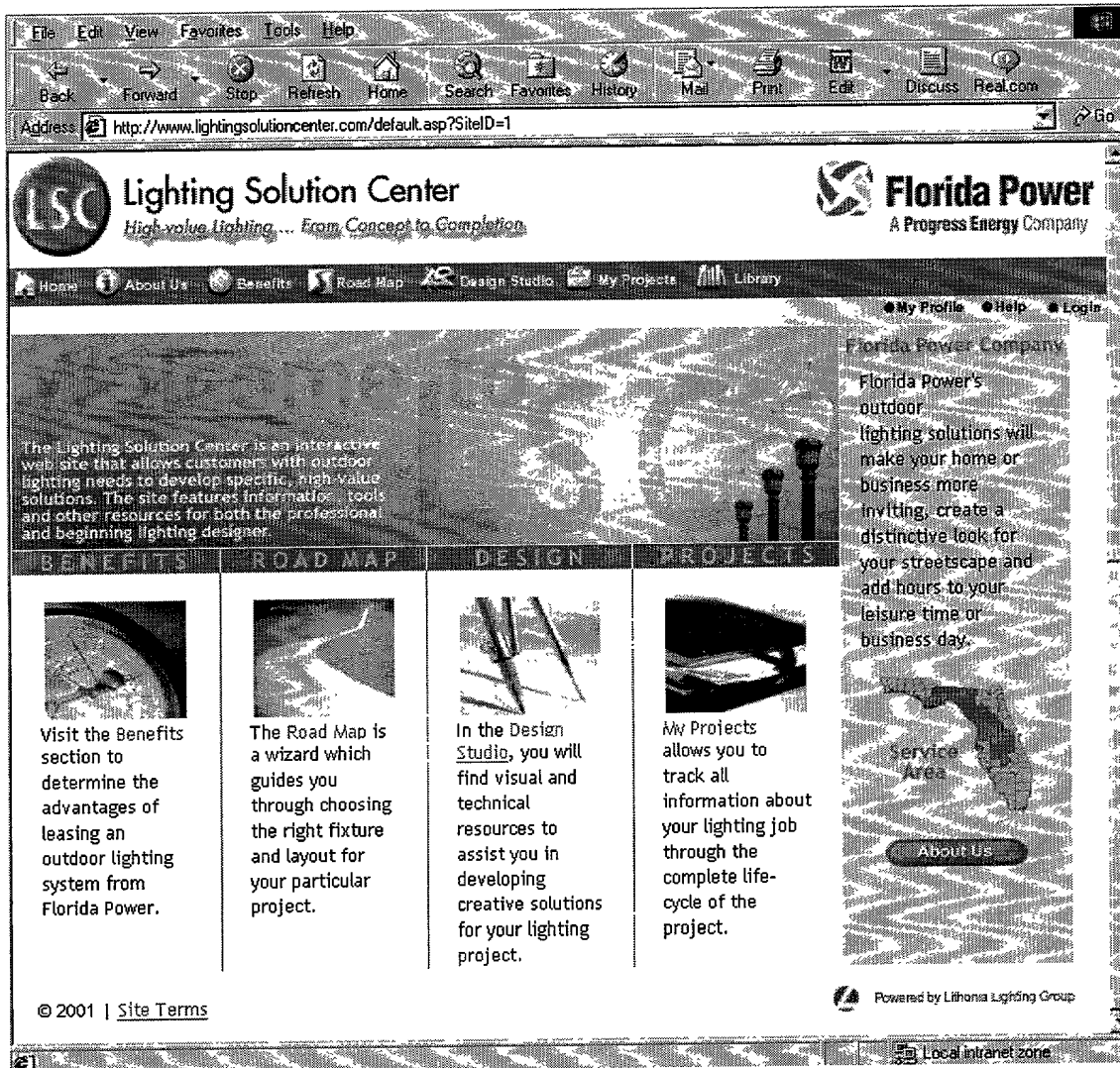


FIGURE 2

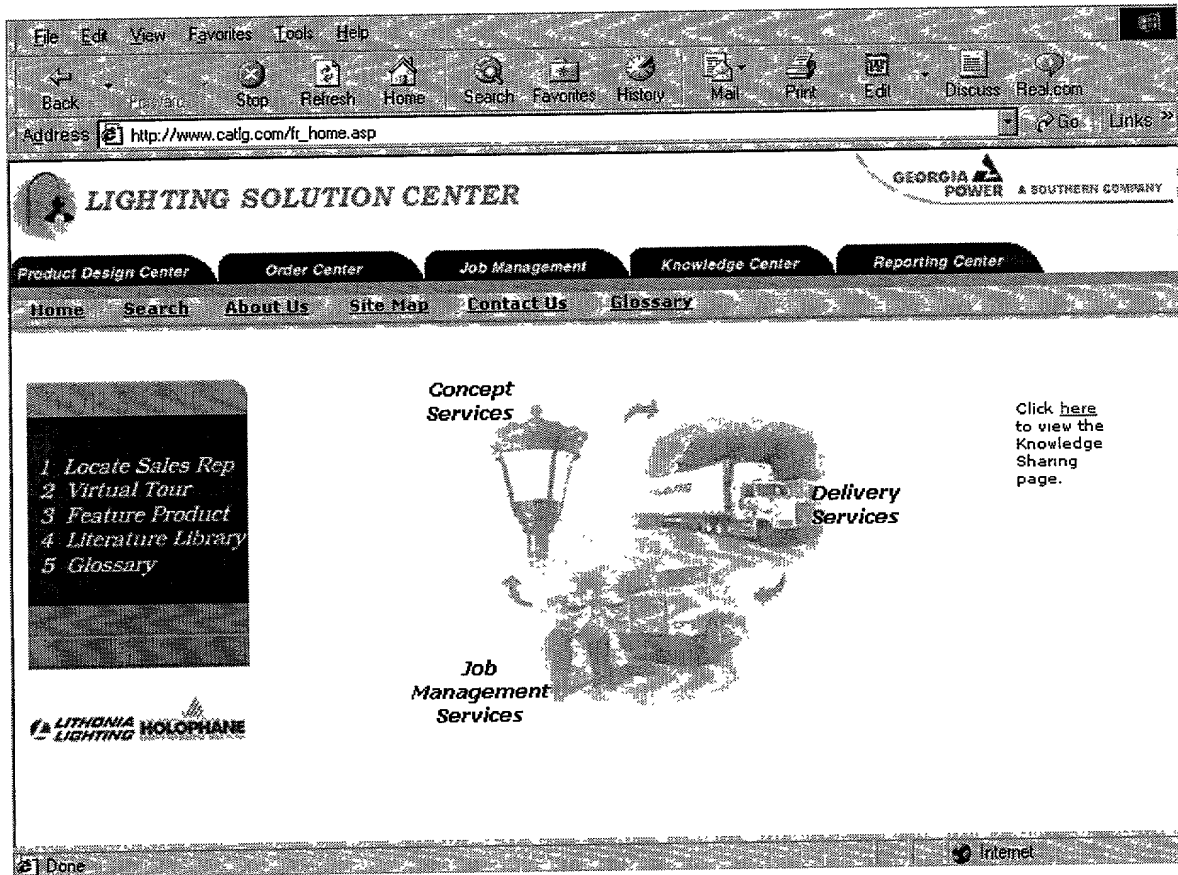
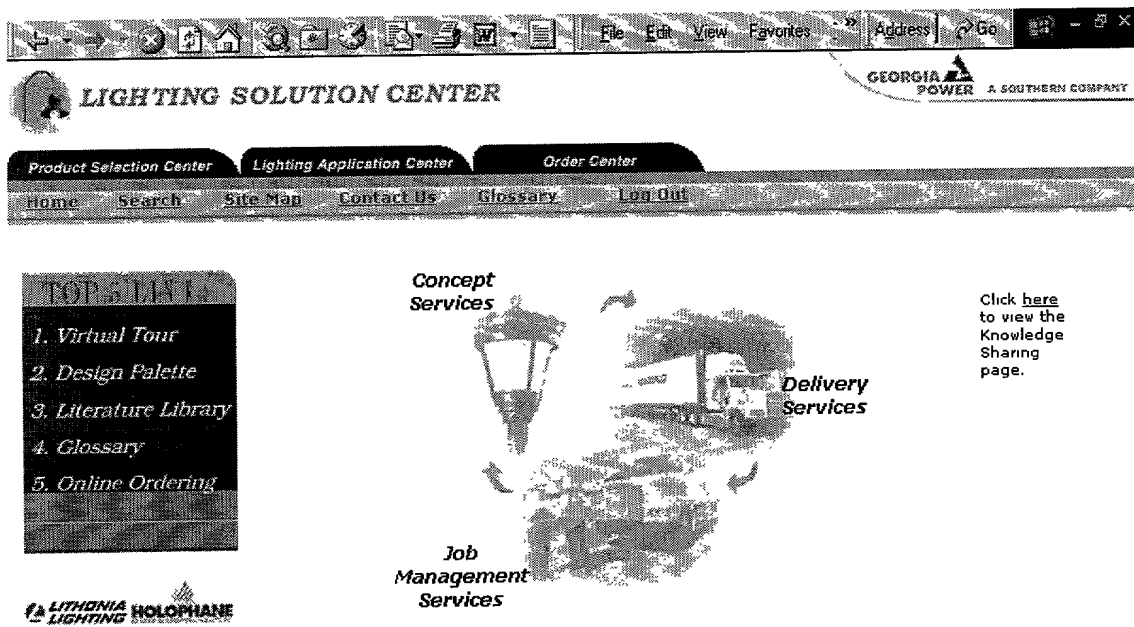


FIGURE 3



1005099-120501

FIGURE 4

The screenshot shows a web browser window with the following elements:

- Menu Bar:** File, Edit, View, Favorites, Tools, Help.
- Toolbar:** Back, Forward, Stop, Refresh, Home, Search, Favorites, History, Mail, Print, Edit, Discuss, Real.com.
- Address Bar:** http://www.lightingsolutioncenter.com/Login.asp?SiteID=1
- Main Content Area:**
 - Please log in**
 - E-Mail:**
 - Password:**
 - Login** button
 - Click [here](#) if you forgot your password.
 - Click [here](#) to register if you are a new user.
- Status Bar:** Done, Local intranet zone.

FIGURE 5

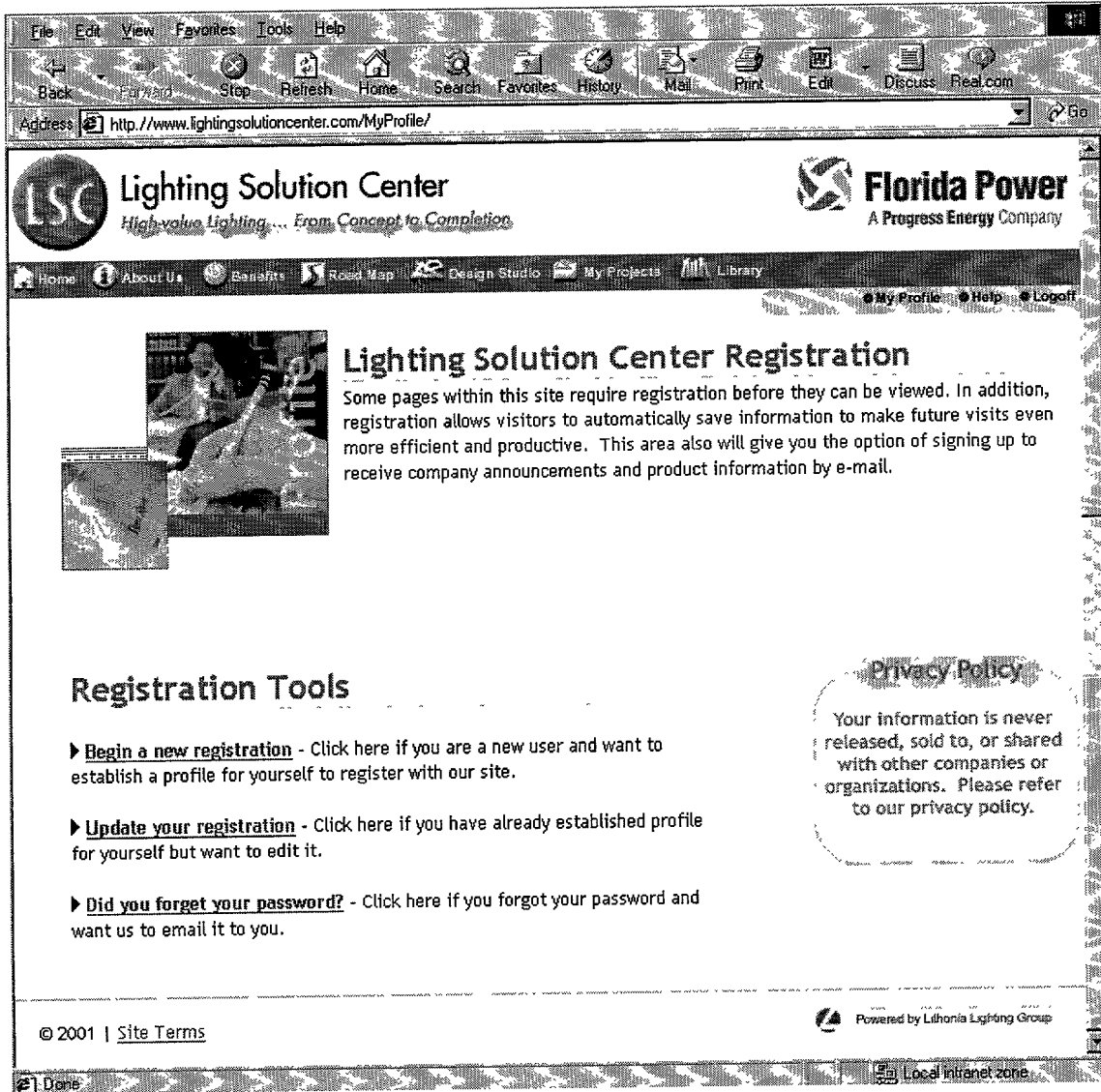


FIGURE 6

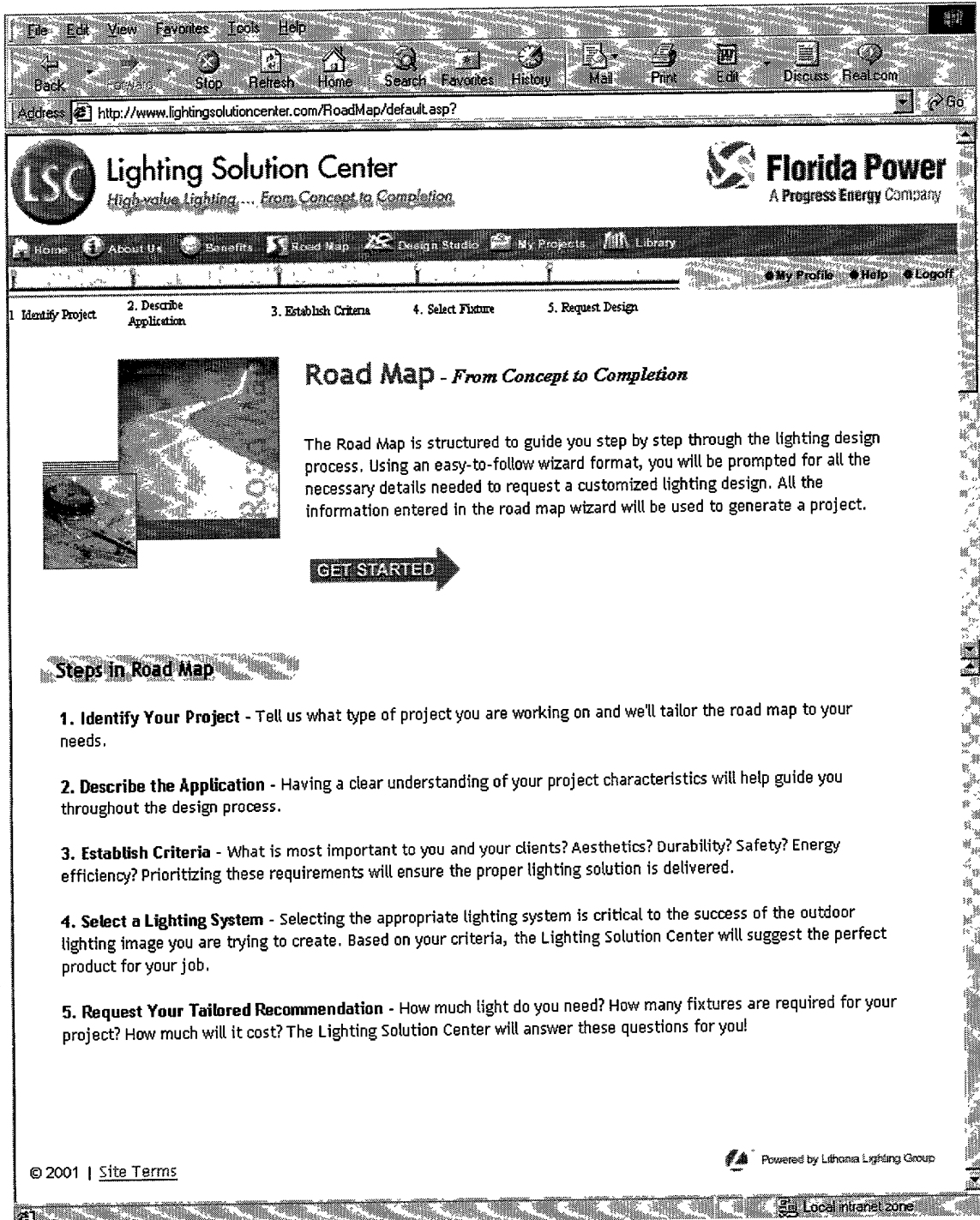


FIGURE 7

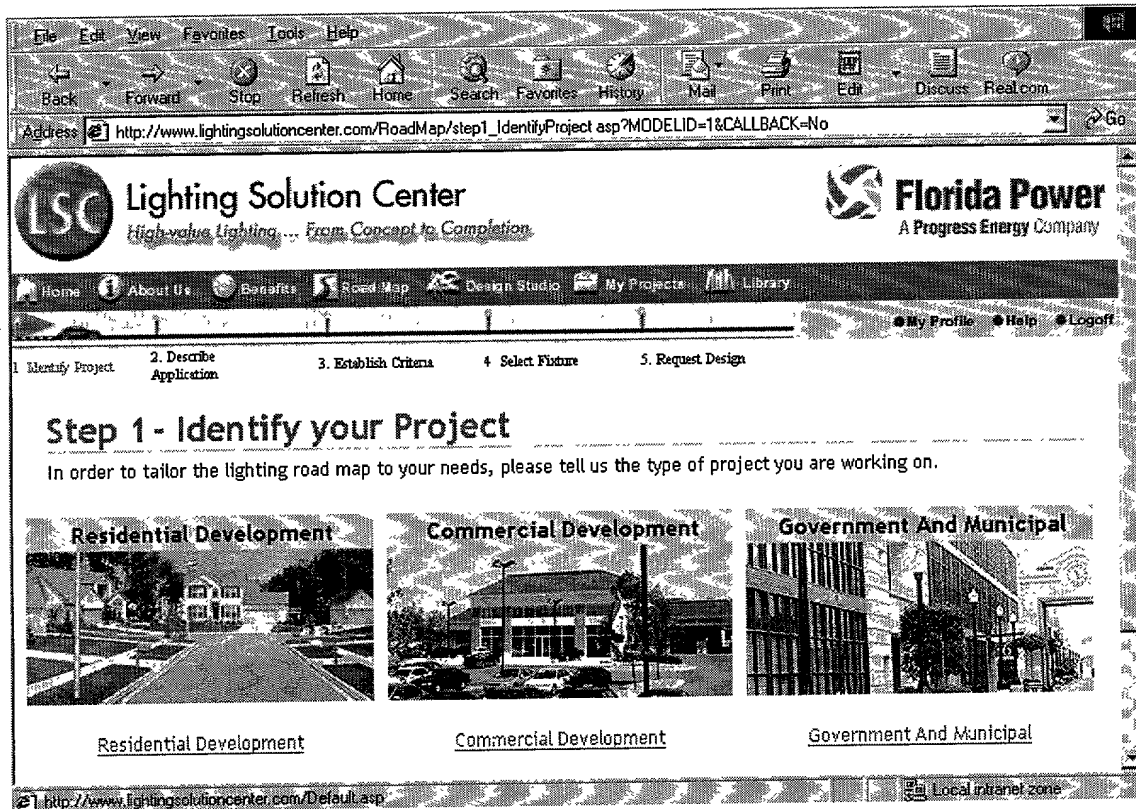


FIGURE 8

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Real.com

Address: http://www.lightingsolutioncenter.com/RoadMap/step2_DescribeApp.asp?CategoryName=Application%20Type&Rule=1 Go

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1. Identify Project 2. Describe Application 3. Establish Criteria 4. Select Fixture 5. Request Design

Step 2 - Describe Application

The first task in the design process is to clearly describe the application. The style of neighborhood and the range of home values are among the factors to consider when selecting the lighting package. To help us better understand your development, simply answer the following questions.

What is the area you are illuminating?

If your project has multiple areas, you will be able to add another application from My Projects.

☒ Roadway
☐ Parking Lot
☐ Pathway
☐ Other

Neighborhood Information:

How many homes are in the subdivision? 0 - 25
What is the approximate range of home values? <100,000
What is the approximate range of home sizes? <1,000 sq. ft.
What is the approximate lot size? <1/4 acre

Style of Neighborhood:

☒ Colonial
☐ Recreation/Vacation
☐ Specialty
☐ Country
☐ Farmhouse
☐ Multi-unit
☐ Modern
☐ Ranch
☐ Spanish/Mediterranean
☐ Victorian
☐ European
☐ French
☐ Historic
☐ Mobile

Amenities:

☐ Golf Course
☐ Swimming Pool
☐ Park
☐ Tennis Courts
☐ Clubhouse
☐ Sidewalks

Back Next

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FIGURE 9

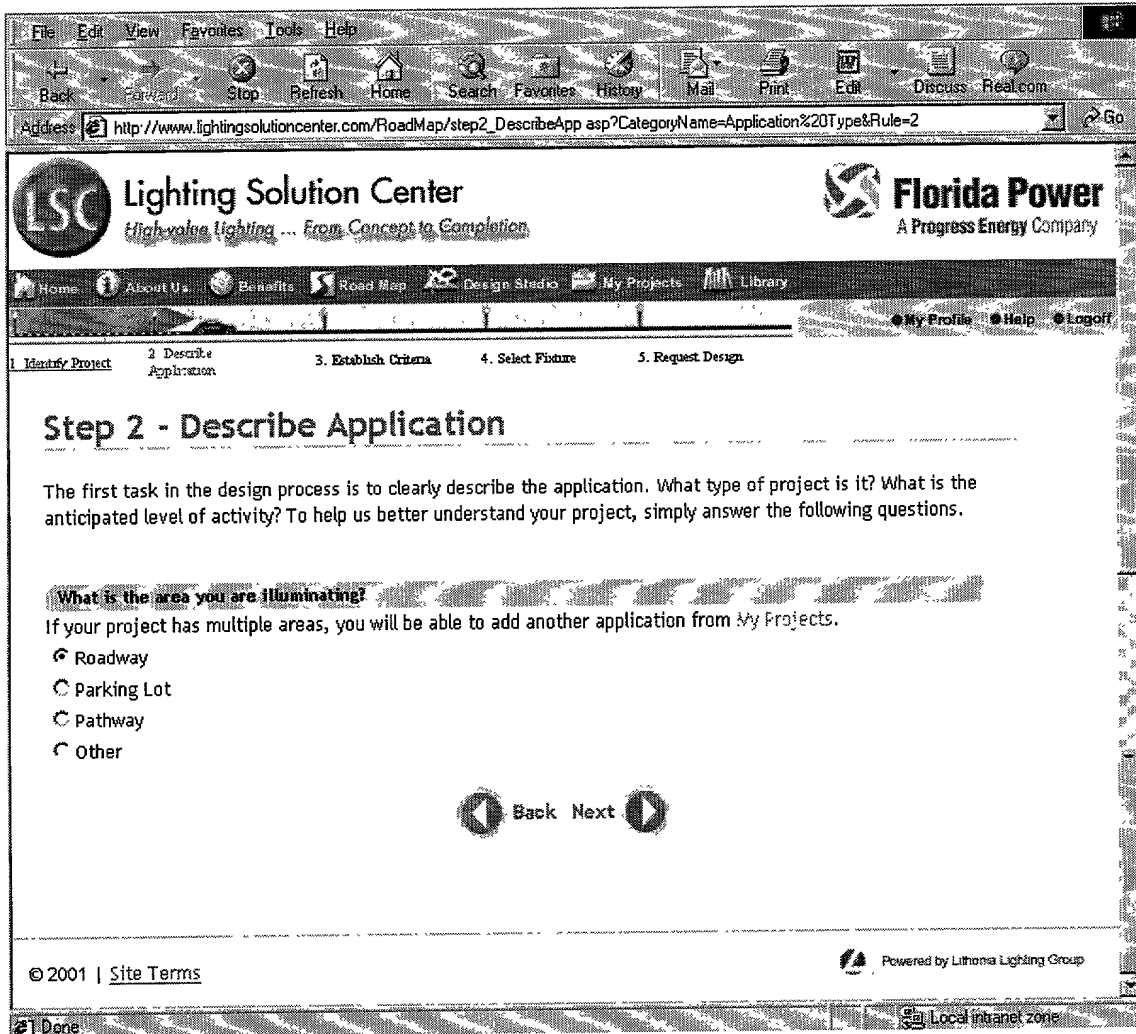




FIGURE 10

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Real.com

Address http://www.lightingsolutioncenter.com/RoadMap/step2_DescribeApp.asp?ACTION=NEXT&radArea=5


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1. Identify Project 2. Describe Application 3. Establish Criteria 4. Select Fixture 5. Request Design

Step 2 - Describe Application

Describe the level of activity of your parking lot by identifying the surroundings:

High Activity	Medium Activity	Low Activity
<input checked="" type="radio"/> Major league athletic event <input type="radio"/> Regional Shopping Center <input type="radio"/> Major cultural or civic event <input type="radio"/> Fast Food Facility <input type="radio"/> Other _____	<input type="radio"/> Office Park <input type="radio"/> Transportation <input type="radio"/> Cultural, civic or recreational events <input type="radio"/> Hospital <input type="radio"/> Residential complex <input type="radio"/> Community Shopping Center <input type="radio"/> Other _____	<input type="radio"/> Neighborhood Shopping <input type="radio"/> Industrial employee parking <input type="radio"/> Educational facility <input type="radio"/> Church <input type="radio"/> Park <input type="radio"/> Municipal Park <input type="radio"/> Other _____

What is the aesthetics or style of the area surrounding the parking lot:

☒ Historic
☐ Colonial
☐ European
☐ Modern
☐ Spanish/Mediterranean
☐ Victorian

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FIGURE 11

File Edit View Favorites Tools Help

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Address http://www.lightingsolutioncenter.com/RoadMap/step2_DescribeApp.asp?ACTION=NEXT&adArea=6

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1. Identify Project 2. Describe Application 3. Establish Criteria 4. Select Fixture 5. Request Design

Step 2 - Describe Application

What is the location of the pathway?

Municipal Park

What is the nighttime usage activity?

Medium Pedenstrian Traffic

What is the style of the surrounding area?

☐ Historic

☐ Colonial

☐ European

☒ Modern

☐ Spanish/ Mediterranean

☐ Victorian

◀ Back Next ▶

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FIGURE 12

The screenshot shows a web browser window with the address bar displaying http://www.lightingsolutioncenter.com/RoadMap/step3_EstablishCriteria.asp. The page header includes the "Lighting Solution Center" logo with the tagline "High-value Lighting... From Concept to Completion" and the "Florida Power" logo with the tagline "A Progress Energy Company". A navigation bar contains links for Home, About Us, Benefits, Road Map, Design Studio, My Projects, and Library. Below this is a progress bar with five steps: 1. Identify Project, 2. Describe Application, 3. Establish Criteria (current step), 4. Select Fixture, and 5. Request Design. The main content area is titled "Step 3 - Establish Criteria" and includes a paragraph explaining the purpose of this step. Below the text is a form titled "Criteria:" with six rows, each containing a criterion name and a dropdown menu. The criteria and their selected values are: Aesthetics (1 - Very Important), Durability (3 - Undecided), Safety (4 - Not very important), Security (2 - Somewhat important), Energy Efficiency (5 - Not important at all), and Limiting Light Trespass (-Please Rank-). At the bottom of the form are "Back" and "Next" buttons. The footer contains copyright information "© 2001 | Site Terms" and a note "Powered by Lithonia Lighting Group". A status bar at the very bottom indicates "Local intranet zone".

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Real.com

Address http://www.lightingsolutioncenter.com/RoadMap/step3_EstablishCriteria.asp Go

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1 Identify Project 2 Describe Application 3 Establish Criteria 4 Select Fixture 5 Request Design

Step 3 - Establish Criteria

Having a clear and thorough understanding of the wants and needs of your clients will help guide your decisions throughout the design process. And it will help us recommend the appropriate lighting solution. Please rank the criteria below according to what is most important to you and your clients.

Criteria:

Aesthetics:	1 - Very Important
Durability:	3 - Undecided
Safety:	4 - Not very important
Security:	2 - Somewhat important
Energy Efficiency:	5 - Not important at all
Limiting Light Trespass:	-Please Rank-

Back Next

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FIGURE 13

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Real.com

Address [ture.asp?ACTION=NEXT&selAesthetics=82&selDurability=89&selSafety=95&selSecurity=98&selEnergyEfficiency=106&selLimitSkyGlow=108](#) Go


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1 Identify Project 2 Describe Application 3 Establish Criteria 4 Select Fixture 5 Request Design

Step 4 - Select a Lighting Fixture

Selecting the appropriate lighting system is critical to the success of the outdoor lighting image you are trying to create. According to the selections you made in steps 1-3, the following luminaries would match your criteria and deliver a successful lighting solution.

Select Lighting System:

Image	Fixture	Pole	Design Palette	Case Studies	Product Catalog
	<input type="checkbox"/> Flagler	<input type="checkbox"/> Victorian <input type="checkbox"/> Colonial	View View	View	View
	<input checked="" type="checkbox"/> Biscayne	<input type="checkbox"/> Victorian <input checked="" type="checkbox"/> Washington	View View	View	View
	<input type="checkbox"/> Monticello	<input type="checkbox"/> Victorian <input type="checkbox"/> Colonial	View View		View

Select the luminaire and post that you would like for your project. You may select more than one and we'll create multiple proposals for your review.

◀ Back Next ▶

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FIGURE 14

File Edit View Favorites Tools Help

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Address http://www.lightingsolutioncenter.com/RoadMap/step5_RequestDesign.asp?ACTION=NEXT&chkFixture2=2&chkPole22=8

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1. Identify Project 2. Describe Application 3. Establish Criteria 4. Select Fixtures 5. Request Design

Step 5 - Request Tailored Recommendation

Now that you have selected a lighting system, you're ready to request a lighting design tailored to your specific needs. We'll tell you how many luminaires and poles you need along with the associated rental, maintenance and energy costs. Simply complete the form below and we'll customize a lighting design at no cost to you!

Project Details:

Project Name: _____ Or Add to Existing Project: **Select From List**

Application Name: **Roadway**

Project Manager: _____

Street Address 1: _____

Street Address 2: _____

Street Address 3: _____

City: _____

State: **Alabama**

Zip Code: _____

County: _____

Country: **United States**

Phone #: _____

E-mail Address: _____

Project Description: _____

Is this new or existing construction?

☒ New

☐ Existing

Lighting System Selected:

Luminaire	Post
Biscayne	Washington

Illuminance Specification:

☒ Use industry standards for illuminance.

☐ Follow my criteria below.

Average Illuminance: _____ footcandles

Minimum Illuminance: _____ footcandles

Maximum to Minimum Ratio: _____ (i.e. 4:1)

Average to Minimum Ratio: _____ (i.e. 2:1)

Special Instructions:

Submit Reset

Done Local intranet zone

FIGURE 15

File Edit View Favorites Tools Help

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Address Go

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1. Identify Project 2. Describe Application 3. Establish Criteria 4. Select Fixture 5. Request Design

Confirmation

Thank you! We have received your Request for Design.

To provide an accurate proposal, we must have a copy of your site plan. Please [click here](#) to attach an electronic CAD file. If you do not have an electronic copy, please mail a copy to the following address and reference your project number.

Mail To:
Florida Power
[Redacted Address]

Your project number is .

Within 7-10 days, you will receive an e-mail that your proposal is complete and ready for your approval. We will post the proposal in the [My Projects](#) area of this web site.

My Project allows you to manage the full life-cycle of your lighting project by providing the following capabilities:

- Request and view **Proposals** containing recommended luminaires, spacing, quantities and pricing.
- Add additional **Applications** (parking lot/area, pedestrian, roadway) to your project.
- Request and view **Contracts**.
- Upload **Site Plans**, **Photos** and other relevant **Documents**.
- View items added to the **Concepts tab**.
- View **Financial Analysis** generated by the online Calculator.
- View your project **History**.
- Share your project with others.

Next

Done Local intranet zone

FIGURE 16

10005099 - 120501

UNDER CONSTRUCTION

Application Engineering Submittal

Project Information

Title	<input type="text"/>	Date Submitted	<input type="text"/>
Contact	<input type="text"/>	Date Due	<input type="text"/>
Agency	<input type="text"/>	Revision	<input type="text" value="Enter Project Number"/>

Procedure

Submittal Method	Email <input type="checkbox"/>	FedEx <input type="checkbox"/>	Fax <input type="checkbox"/>	Other <input type="text"/>
Reference	Attached File <input type="checkbox"/>	Diskette <input type="checkbox"/>	Hard Copy <input type="checkbox"/>	Other <input type="text"/>
Return Method	Email <input type="checkbox"/>	FedEx <input type="checkbox"/>	Fax <input type="checkbox"/>	Other <input type="text"/>

Design Criteria

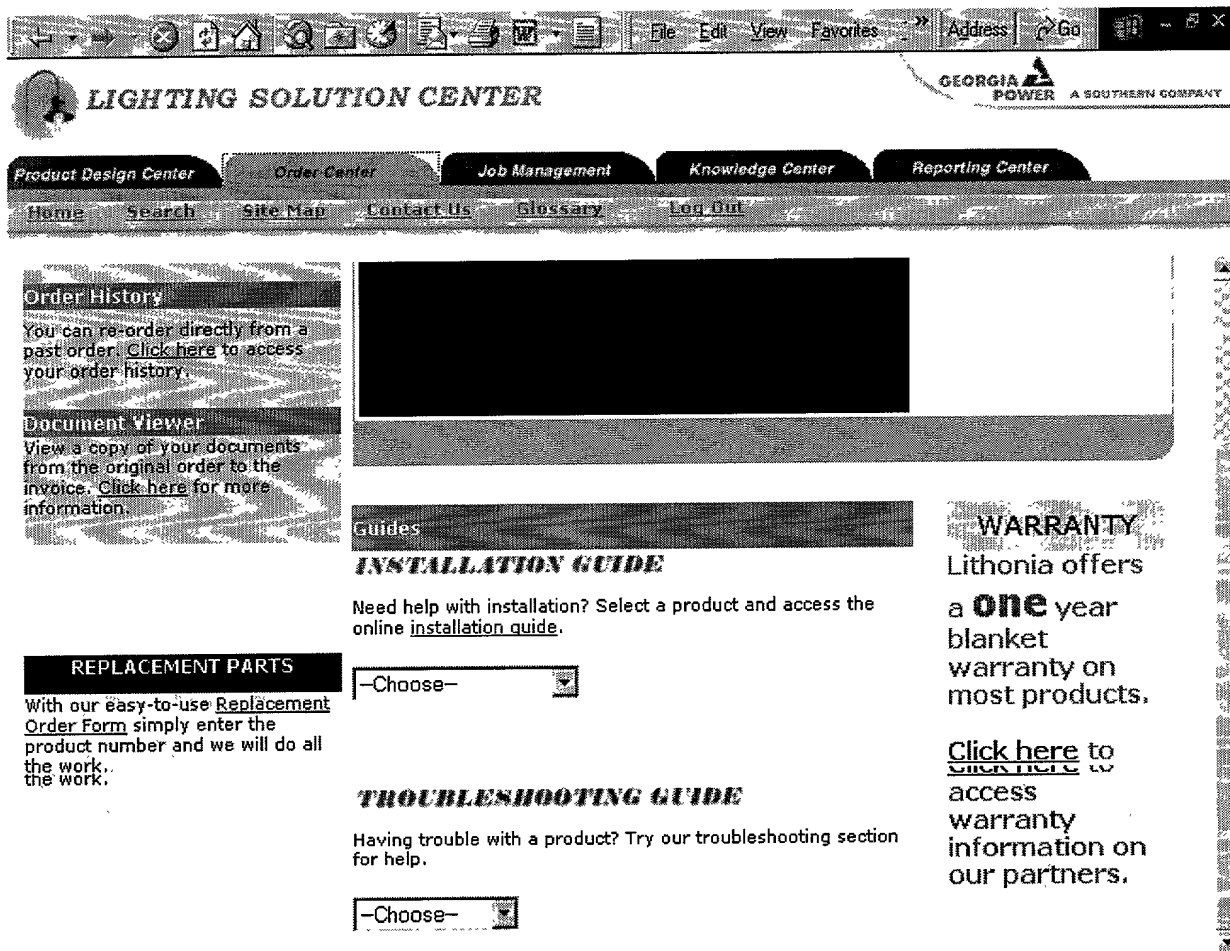
Design	Recommended <input checked="" type="radio"/>	Specified <input type="radio"/>
Illuminance	Minimum <input type="text"/>	Average <input type="text"/>
Uniformity	Max/Min <input type="text"/>	Avg/Min <input type="text"/>
Units	Input <input type="text" value="feet"/>	Output <input type="text" value="footcandles"/>

Luminaire

Specified Product	<input type="text"/>		
Light Loss Factor	<input type="text"/>		
Mounting Height	<input type="text"/>	<input type="text" value="feet"/>	Restrictions <input type="text"/>
Lamp Wattage	<input type="text"/>	Lamp Lumens	<input type="text"/>
Lamp Type	Metal Halide <input checked="" type="radio"/>	High Pressure Sodium <input type="radio"/>	Other <input type="radio"/> <input type="text"/>

Additional Instructions

FIGURE 17



Variable	Mean	SD	Min	Max
Age	34.5	10.5	20	55
Gender	0.5	0.5	0	1
Marital status	0.5	0.5	0	1
Education	12.5	1.5	10	15
Income	1.5	0.5	1	2
Occupation	1.5	0.5	1	2
Health status	1.5	0.5	1	2
Life satisfaction	1.5	0.5	1	2
Depression	1.5	0.5	1	2
Stress	1.5	0.5	1	2
Resilience	1.5	0.5	1	2
Optimism	1.5	0.5	1	2
Gratitude	1.5	0.5	1	2
Forgiveness	1.5	0.5	1	2
Empathy	1.5	0.5	1	2
Compassion	1.5	0.5	1	2
Kindness	1.5	0.5	1	2
Generosity	1.5	0.5	1	2
Patience	1.5	0.5	1	2
Humility	1.5	0.5	1	2
Modesty	1.5	0.5	1	2
Shame	1.5	0.5	1	2
Guilt	1.5	0.5	1	2
Envy	1.5	0.5	1	2
Jealousy	1.5	0.5	1	2
Anger	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5	0.5	1	2
Dislike	1.5	0.5	1	2
Disrespect	1.5	0.5	1	2
Disapproval	1.5	0.5	1	2
Disagreement	1.5			




FIGURE 19

1005099-120501

UNDER CONSTRUCTION

Lighting Design Center

- Area Lighting**
- Sports Lighting**
 - [Baseball](#)
 - [Football](#)
 - [Softball](#)
 - [Walk-Bike Path](#)
- Commercial**
- Roadway**
- Residential**
- Parking Area**
 - [Single Sided Parking Lot](#)
 - [Double Sided Parking Lot](#)
 - [- Single Row](#)
 - [Double Sided Parking Lot](#)
 - [-Double Row](#)
- Security Lighting**
- Walk/Bike Lighting**



Lithonia-Holophane is the market leader in the outdoor lighting sector with high mast systems found along major highways and interchanges, in parking lots, rail yards, sea ports and truck stops. Historically-styled lighting fixtures illuminate downtown streets in major cities and small towns, parking lots and sidewalks on college campuses.

FIGURE 20

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Address http://www.lightingsolutioncenter.com/lr_home.asp

LIGHTING SOLUTION CENTER GEORGIA POWER A SOUTHERN COMPANY

Product Design Center Order Center Job Management Knowledge Center Reporting Center

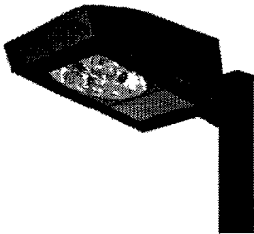
Home Search Site Map Contact Us Glossary Log Out

Commercial Street Lighting



[Boulevard](#)

[Mongoose](#)



Commercial Pattern

Fixture	Catalog Number	Fixture Spacing (FT)	
		Straight	Staggered
Boulevard	BV2 250M R3	165	348
Boulevard	BV2 400M R2	186	396
Mongoose	MC250MH00NCXWX	228	456
Mongoose	MC400MH00SCXWX	186	480


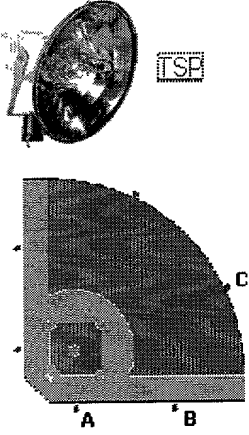
[Return to Lighting Design Center](#)

11 item remaining! Downloading picture http://www.lightingsolutioncenter.com/images/Design/Typical/ResidentialStreet/105aMongoose Local intranet zone

100050509-120501

FIGURE 21

Baseball



Baseball Pattern

Foul Line	Center Field
260ft Foul Line	260ft Center Field
280ft Foul Line	280ft Center Field
300ft Foul Line	300ft Center Field
320ft Foul Line	320ft Center Field
340ft Foul Line	340ft Center Field
360ft Foul Line	360ft Center Field
320ft Foul Line	380ft Center Field
340ft Foul Line	400ft Center Field

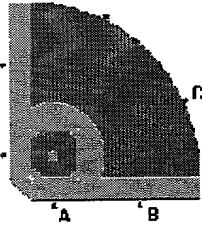
A = Infield
B = Centerfield
C = Outfield

[Return to Lighting Design Center](#)

FIGURE 22



Baseball Field - 260ft Center, 260ft Foul



A = Infield
B = Centerfield
C = Outfield

[previous page](#)



30ft Infield / 20ft Outfield					
			Type and Qty per Pole		
Pole	Qty	Mtg Ht.	GP24N	GP24M	GP24W
A	2	60	2	2	1
B	2	60	3	1	-
C	2	60	4	1	-
Total	6	-	18	8	2

50ft Infield / 30ft Outfield					
			Type and Qty per Pole		
Pole	Qty	Mtg Ht.	GP24N	GP24M	GP24W
A	2	60	5	3	-
B	2	60	5	1	-
C	2	60	5	1	-
Total	6	-	30	10	-

[Download Visual File](#)

[Download Visual File](#)

10005099 - 120501

FIGURE 23

Roadway Lighting Tool - Step 1 of 4

Design #1 Design #2 Comparison

Roadway Enter the number of lanes per side, the roadway width per side, and median width.

Pavement Select the surface reflectance for the roadway pavement.

Units Select Input Units of English or Metric.

Roadway

☒ One Direction

Number of Lanes

Lane Width

☐ Two Directions

Number of Lanes [L]

Lane Width [L]

Number of Lanes [R] [Left Side]

Lane Width [R] [Right Side]

Median Width

Pavement

Surface Reflectance

Units

☒ English [feet]

☐ Metric [meters]

Cancel Back 1 2 3 4 Next Finish

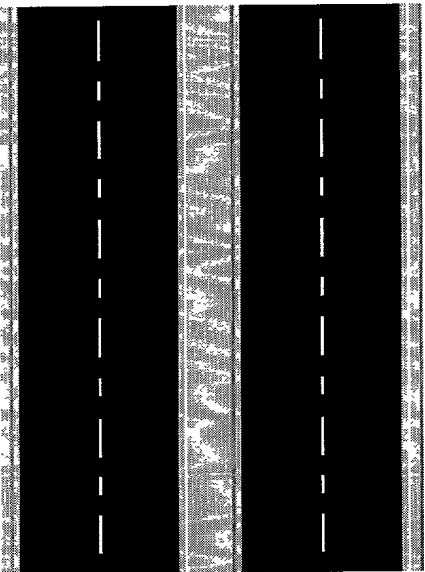


FIGURE 24

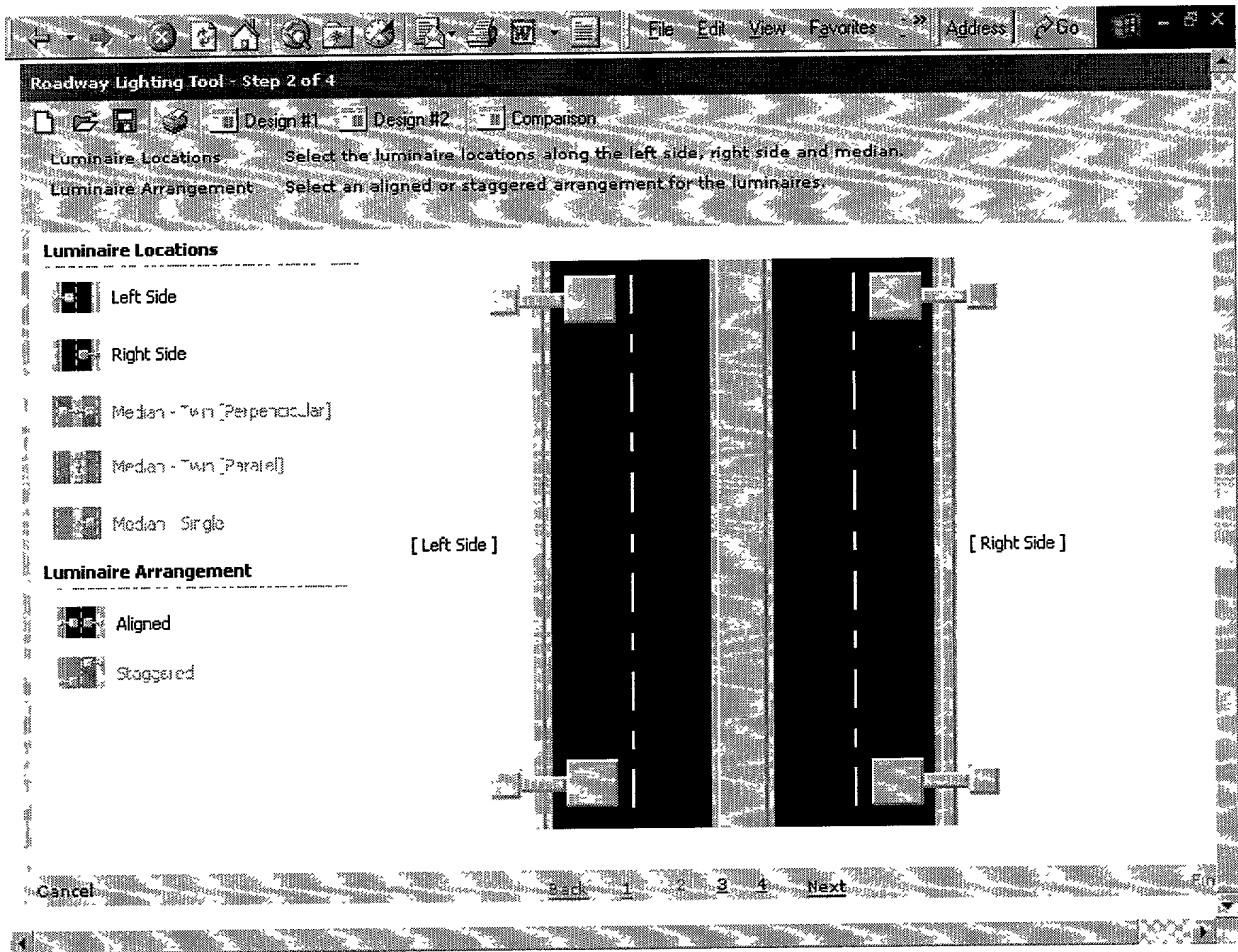


FIGURE 25

Roadway Lighting Tool - Step 3 of 4

Photometry Select a photometric file and enter the appropriate light loss factor.
 Luminaire Enter the dimensions, mounting height, support length and setback.

Photometry

Photometric File
 C:\IES\KSF\12345678.IES

Catalog Number
 KSF 400M R3

Lumens per Lamp 36000

Input Power 100

Light Loss Factor .72

Luminaire

Length [X] 2

Width [Y] 2

Height [Z] 1

Tilt 5

Mounting Height 30

Support Length 1

Setback 10

PLAN VIEW

ELEVATION VIEW

Left Side Right Side Median

Cancel Back 1 2 3 4 Next

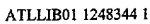
[illegible]

FIGURE 27

UNDER CONSTRUCTION

Lumen Method Tool - Step 1 of 4

Design #1 Design #2 Comparison

Dimensions Enter the dimensions of the room.

Reflectance Select the surface reflectance for the ceiling, walls and floor.

Units Select Input Units of English or Metric.

Dimensions

Length [X]	100
Width [Y]	200
Height [Z]	10

Reflectance

Ceiling	80
Walls	50
Floor	20

Units

☒ English [feet]

☐ Metric [meters]

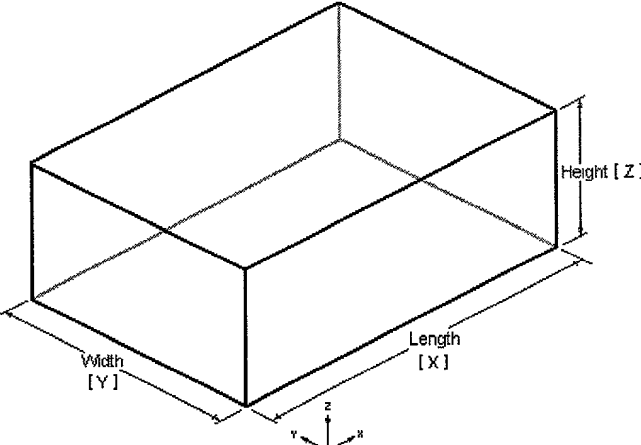


FIGURE 28

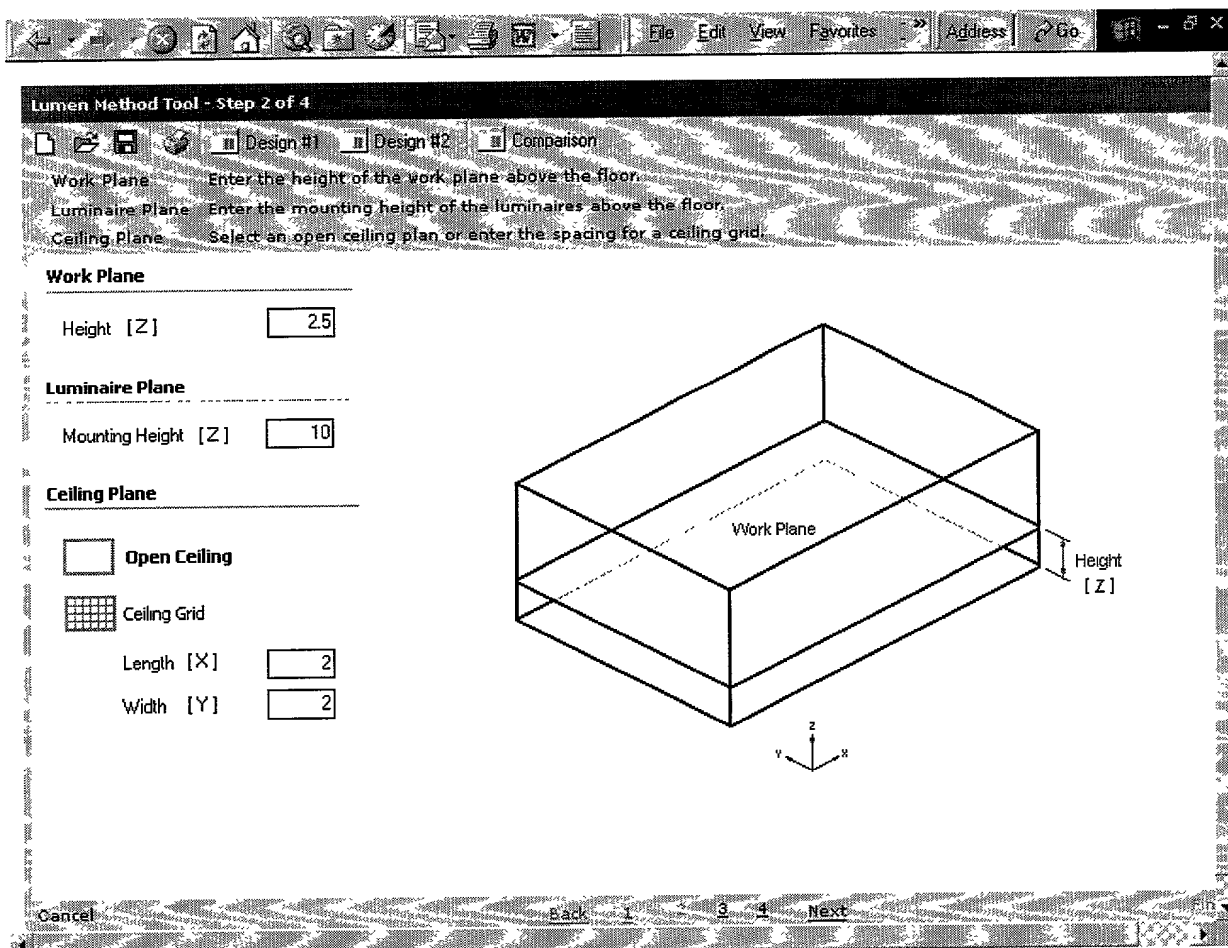


Figure 10 shows the results of the sensitivity analysis for the 1000 iterations. The results are presented in a series of plots showing the mean and standard deviation of the estimated parameters. The plots are arranged in a grid, with the rows corresponding to the parameters and the columns corresponding to the iterations. The parameters are: α , β , γ , δ , ϵ , ζ , η , θ , ϕ , and ψ . The iterations are: 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10. The plots show that the estimates of the parameters are generally stable across iterations, with some variability in the standard deviation. The plots also show that the estimates of the parameters are generally close to the true values, with some bias in the estimates of α and β .

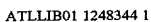


FIGURE 30

Lumen Method Tool - Step 4 of 4

Design #1 Design #2 Comparison

Design Parameters: Enter the desired parameter for the design.
Design Constraints: Enter any constraints that apply to the design.
Units: Select Output Units of footcandles or lux.

Design Parameters

Illuminance

Number Luminaires

Power Density

Design Constraints

Number Columns

Number Rows

Column Spacing

Row Spacing

Column Start

Row Start

Units

☒ English [footcandles]
☐ Metric [lux]

Cancel Back 1 2 3 Next Finish

Summary:

Illuminance: 40 fc
Total Luminaires: 32
Number Columns: 8
Number Rows: 4
Column Spacing: 8.00 ft
Row Spacing: 10.00 ft
Column Start: 4.00 ft
Row Start: 6.00 ft
Power Density: 0.74 W/sq ft

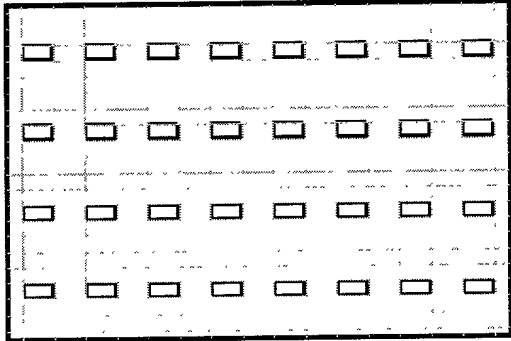


FIGURE 31

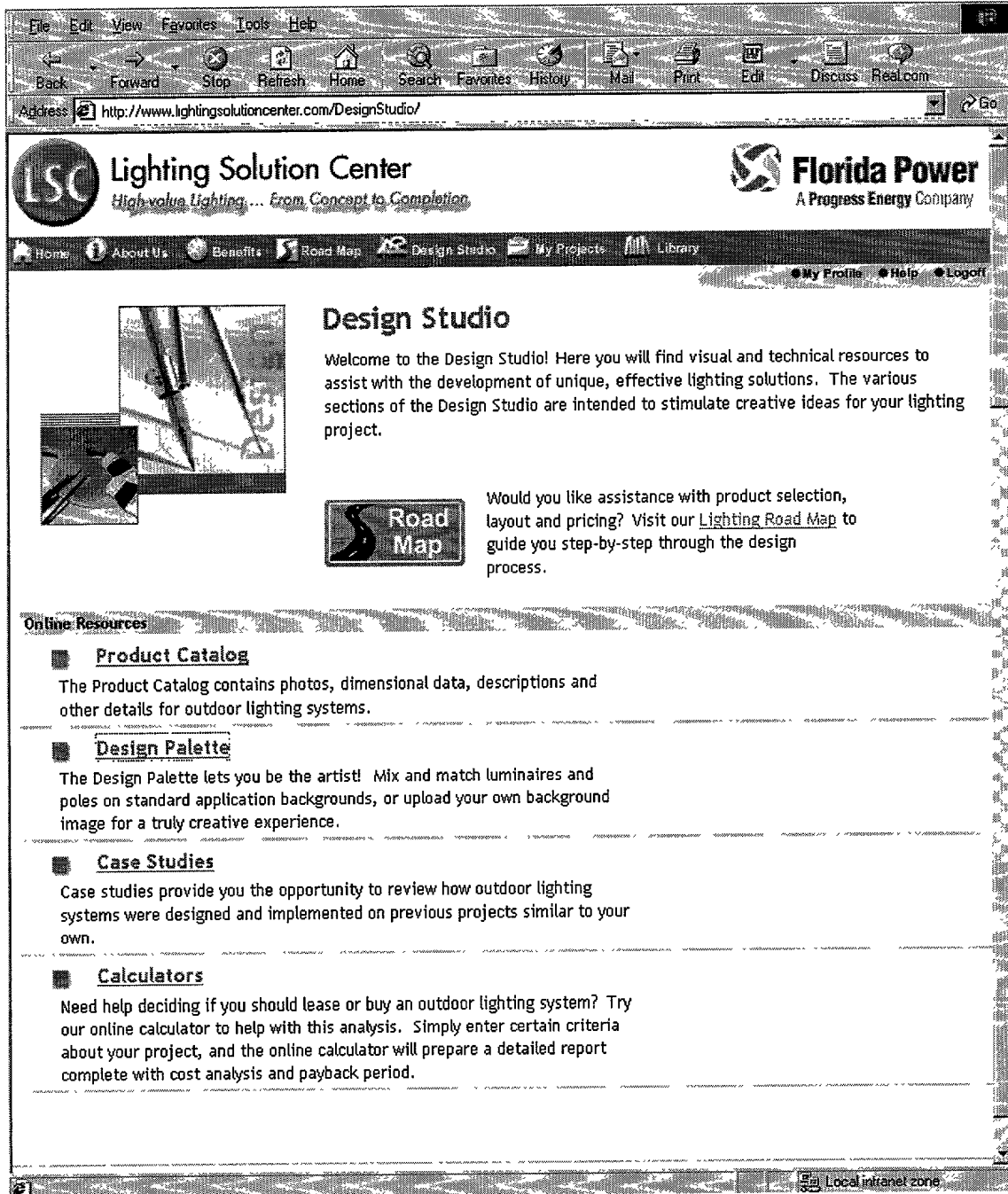


FIGURE 32

1005099-120501

LIGHTING SOLUTION CENTER GEORGIA POWER A SOUTHERN COMPANY

Product Design Center | Order Center | Job Management | Knowledge Center | Reporting Center

Home | Search | Site Map | Contact Us | Glossary | Log Out

Job Portfolio
Check out some of the best lighting choices used in the industry.
[Click here](#) to see local job examples.

Product Design PALETTE
Outstanding Lighting Design - Visualize the variety of pole and fixture options using a Virtual Lighting Designer wizard. [Click here](#) to choose from an array of stylish lighting options!

TOOLS
Visual
Download a copy of [Visual](#) to design your own project layout

Roadway
Use the [Roadway Tool](#) to quickly determine what is needed for your project

Interior Lighting
Need to determine how much light you need? Let the [Interior Lighting Tool](#) calculate the information for you

Take a Virtual Tour
View three dimensional images of actual lighting applications.
Take a tour through a parking garage, walk through a parking lot, or stand in the middle of a sports complex.
-Choose-

Product Comparison
Go one-on-one with an array of products that the industry has to offer. [Click to compare your selection.](#)

Lighting Applications Center
Lighting Design Center
Enter the [Lighting Design Center](#) to select a lighting application and view typical lighting scenarios

Custom Applications Center
1. [Request](#) a Custom Project layout
2. Check the [Status](#) of your Custom Project Layout
3. Retrieve your Custom Project Layout

Guides
Catalog
Visit the catalog for a variety of Outdoor, Roadway and Sign lighting.
Vendor Specific Products **GA Power Products**
-Choose- -Choose-

Specification Sheets
Download electronic copies of detailed specification data. Learn more about the products that you plan to order.
Vendor Specific Products **GA Power Products**
-Choose- -Choose-

Photometric Data
Know what you can expect from your lighting. Click here to view the Lighting Designers most valuable tool.
Vendor Specific Products **GA Power Products**
-Choose- -Choose-

LIFE CYCLE COST ANALYZER
Discover a variety of ways to conserve energy! Find out more about energy saving products and techniques.

FIGURE 33



FIGURE 34

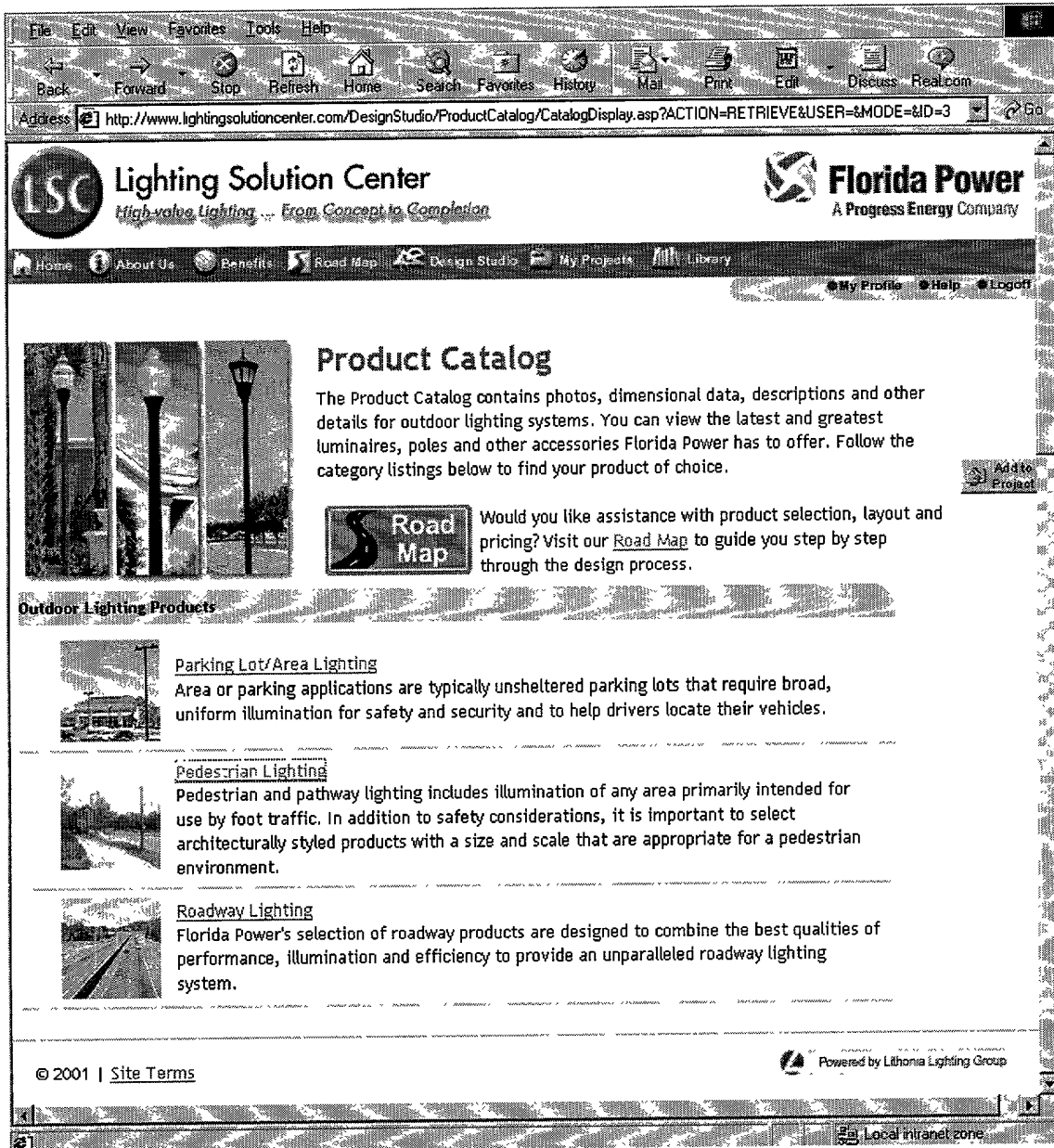


FIGURE 35

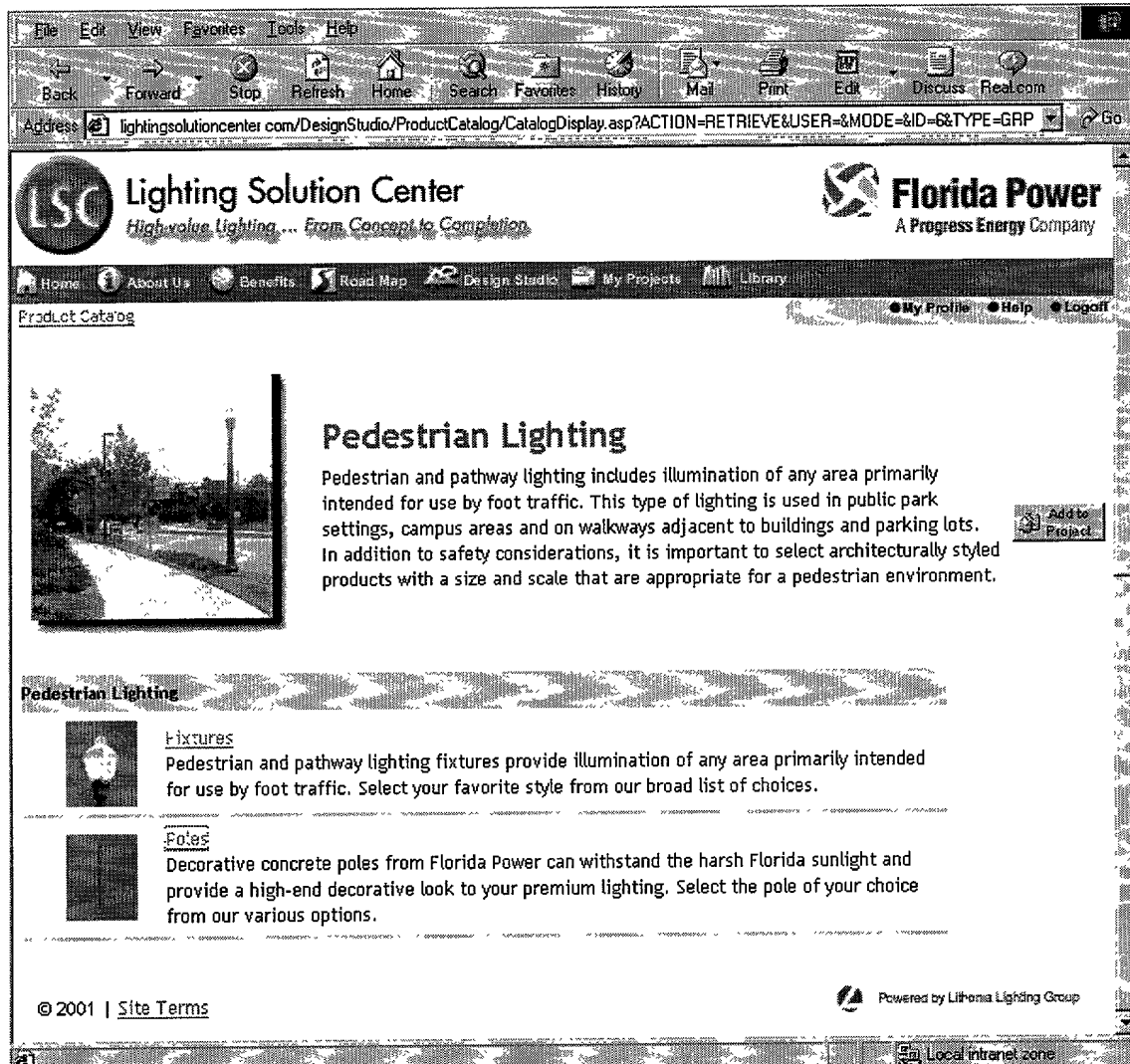


FIGURE 36

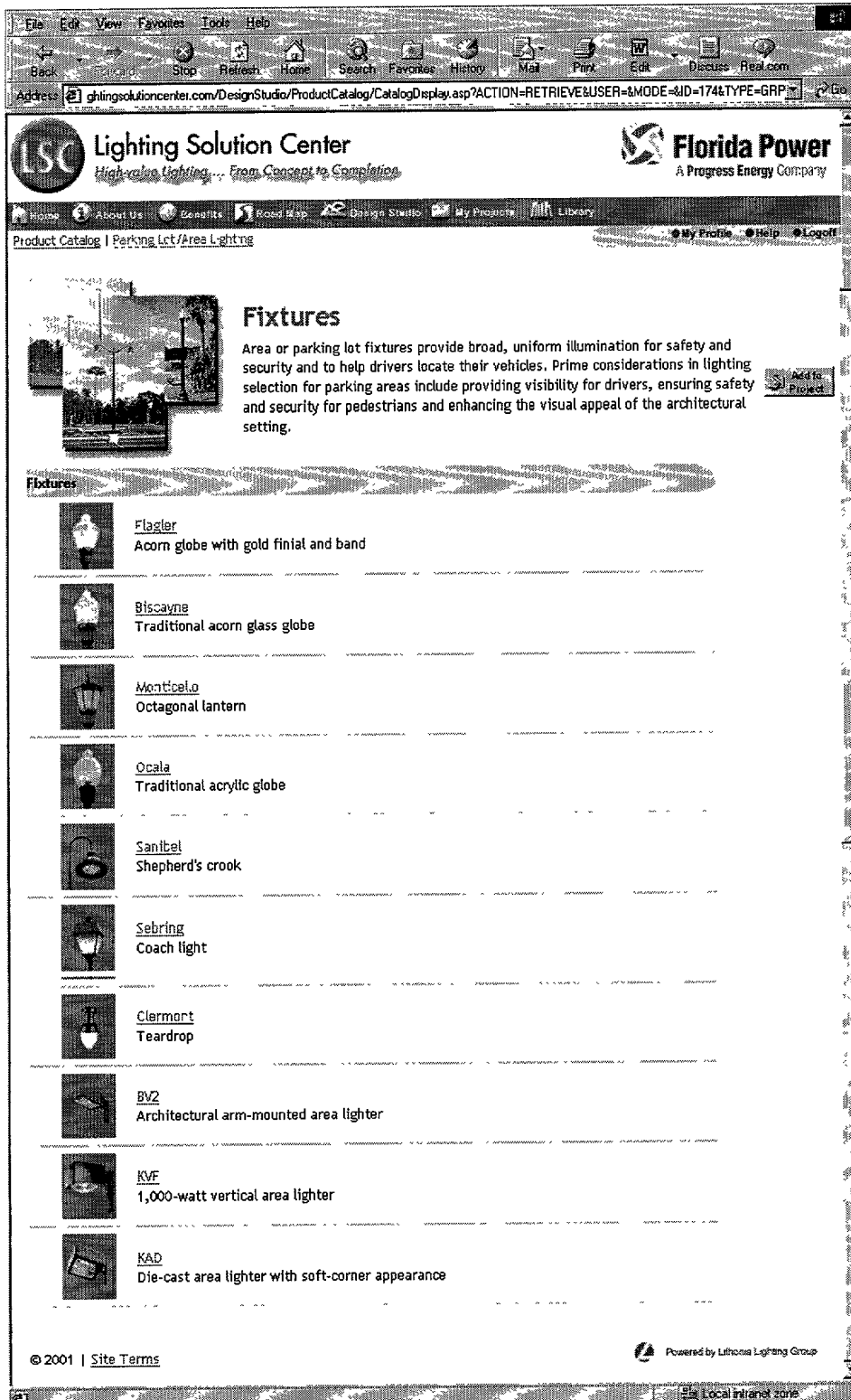
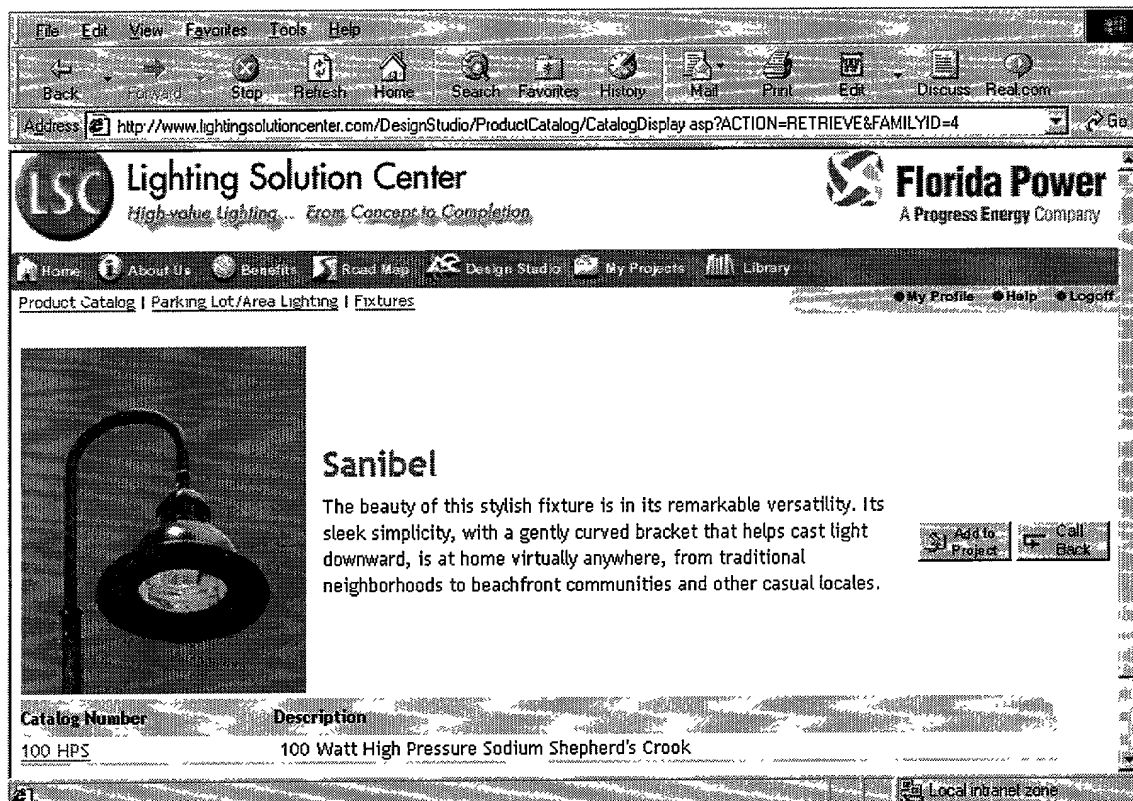


FIGURE 37



100509-120501

FIGURE 38

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Real.com

Address ter.com/DesignStudio/ProductCatalog/ProductDisplay.asp?ACTION=RETRIEVE&USER=&MODE=&ID=12&TYPE=DTL&PARENTID=132 Go

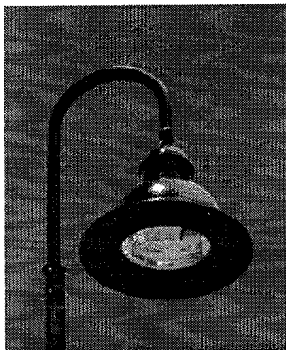
LSC Lighting Solution Center
High-value Lighting... From Concept to Completion

Florida Power
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Home About Us Benefits Road Map Design Studio My Projects Library

Product Catalog | Parking Lot/Area Lighting | Fixtures | Sanibel

My Profile Help Logoff



Sanibel Details

Classification: Pedestrian , Fixtures
Product: Sanibel
Catalog Number: 100 HPS
Manufacturer: Holophane

Add to Project

Overview: The beauty of this stylish fixture is its remarkable versatility. Its sleek simplicity, with a gently curved bracket that helps cast light downward, is at home virtually anywhere, from more formal traditional neighborhoods to beachfront communities and other casual locales.

Short Description: 100 Watt High Pressure Sodium Shepherd's Crook

Features and Benefits: Shepherd's Crook

Lamp: 100 watts High Pressure Sodium

Mounting Height: 12'

Pole: Colonial, Victorian, Washington

IES Data File:

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Done Local intranet zone

FIGURE 39

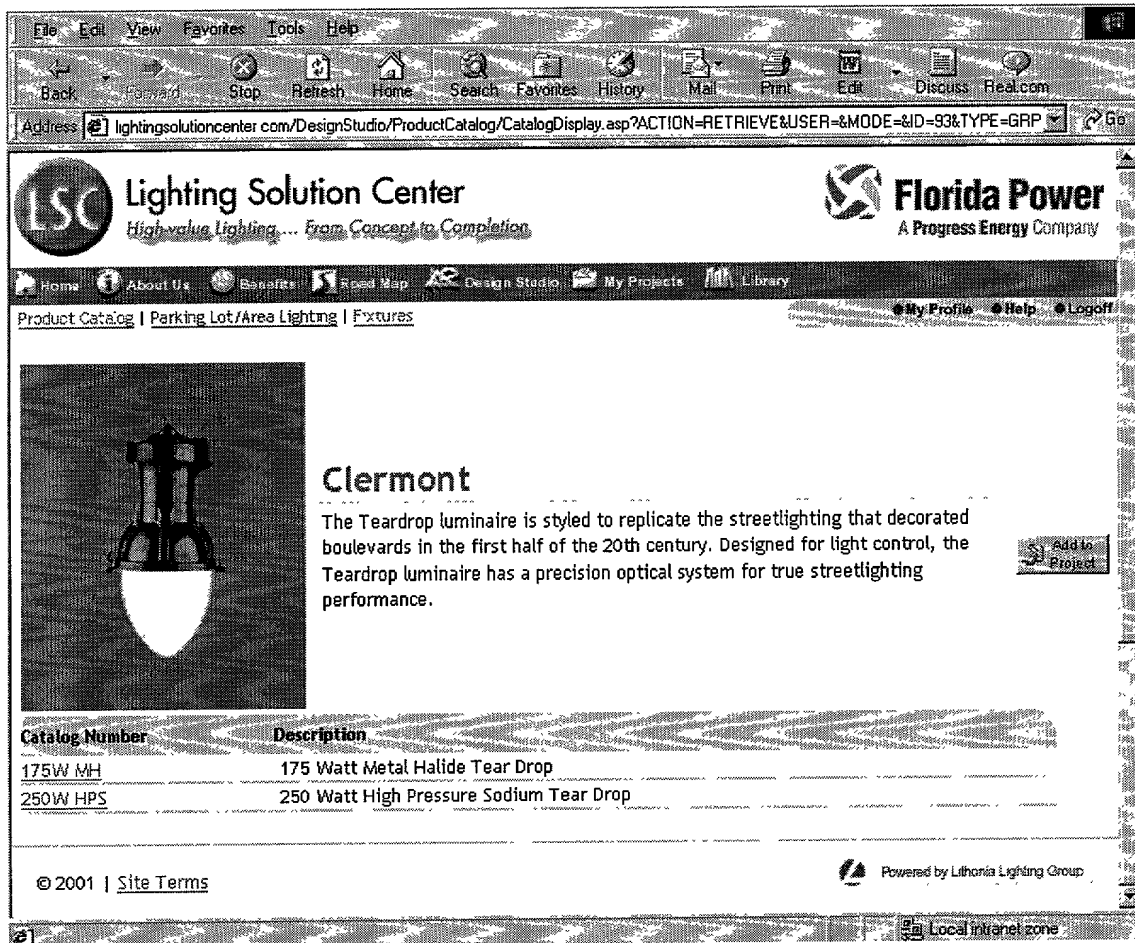




FIGURE 40

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Real.com

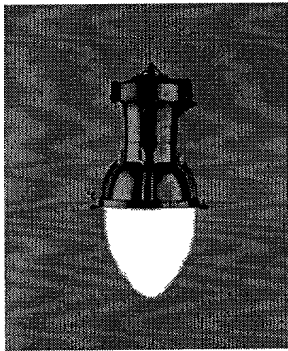
Address: www.lsc.com/DesignStudio/ProductCatalog/ProductDisplay.asp?ACTION=RETRIEVE&USER=&MODE=&ID=50&TYPE=DTL&PARENTID=93 Go

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Product Catalog | [Parking Lot/Area Lighting](#) | [Fixtures](#) | [Clermont](#) [My Profile](#) [Help](#) [Logout](#)



Clermont Details



Classification: Parking Lot/Area, Fixtures
Product: Clermont
Catalog Number: 175 MH
Manufacturer: Holophane

Overview: The Clermont luminaire is styled to replicate the "teardrop" luminaires that lighted boulevards in the first half of this century. Designed for light control, the Clermont has a precision optical system for true street lighting performance

Short Description: 175 Watt Metal Halide Tear Drop


Features and Benefits: The optical system provides efficient lighting and uniform illumination while, at the same time, emitting the low-brightness, soft glow of street lights.

Lamp: 175 watts metal halide

Mounting Height:

Pole: X

IES Data File:

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1005099-120501

FIGURE 41

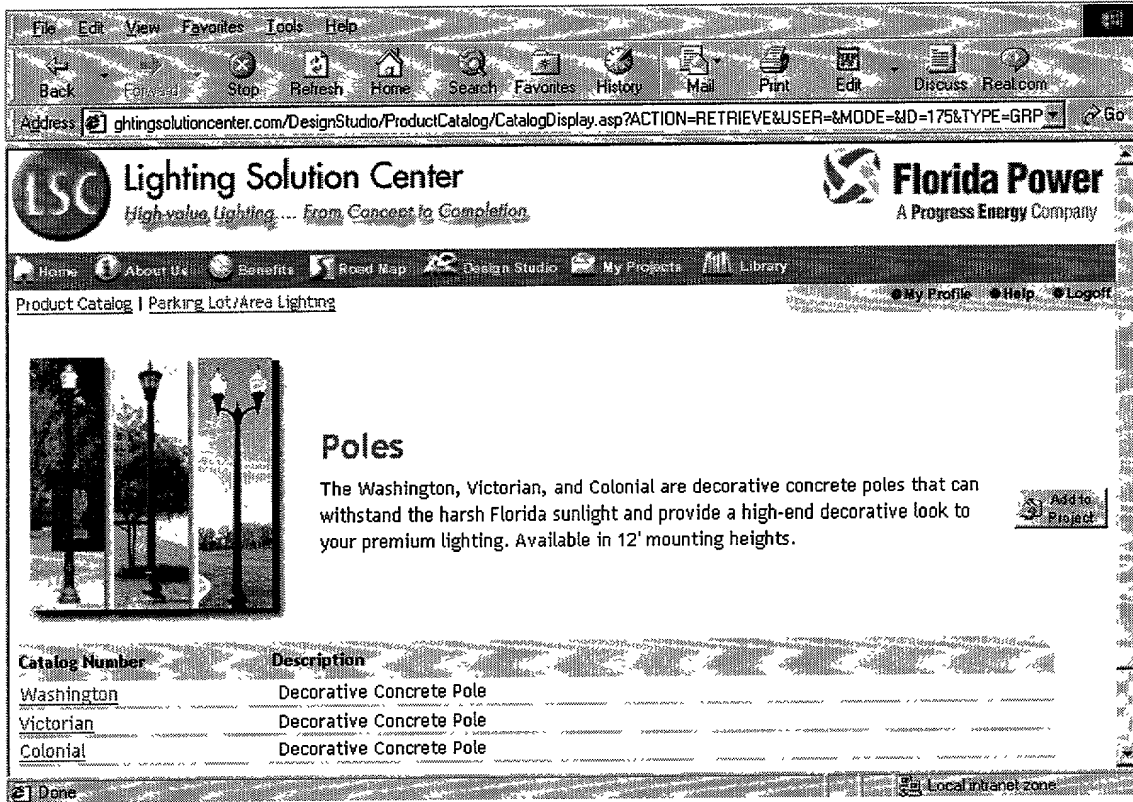


FIGURE 42

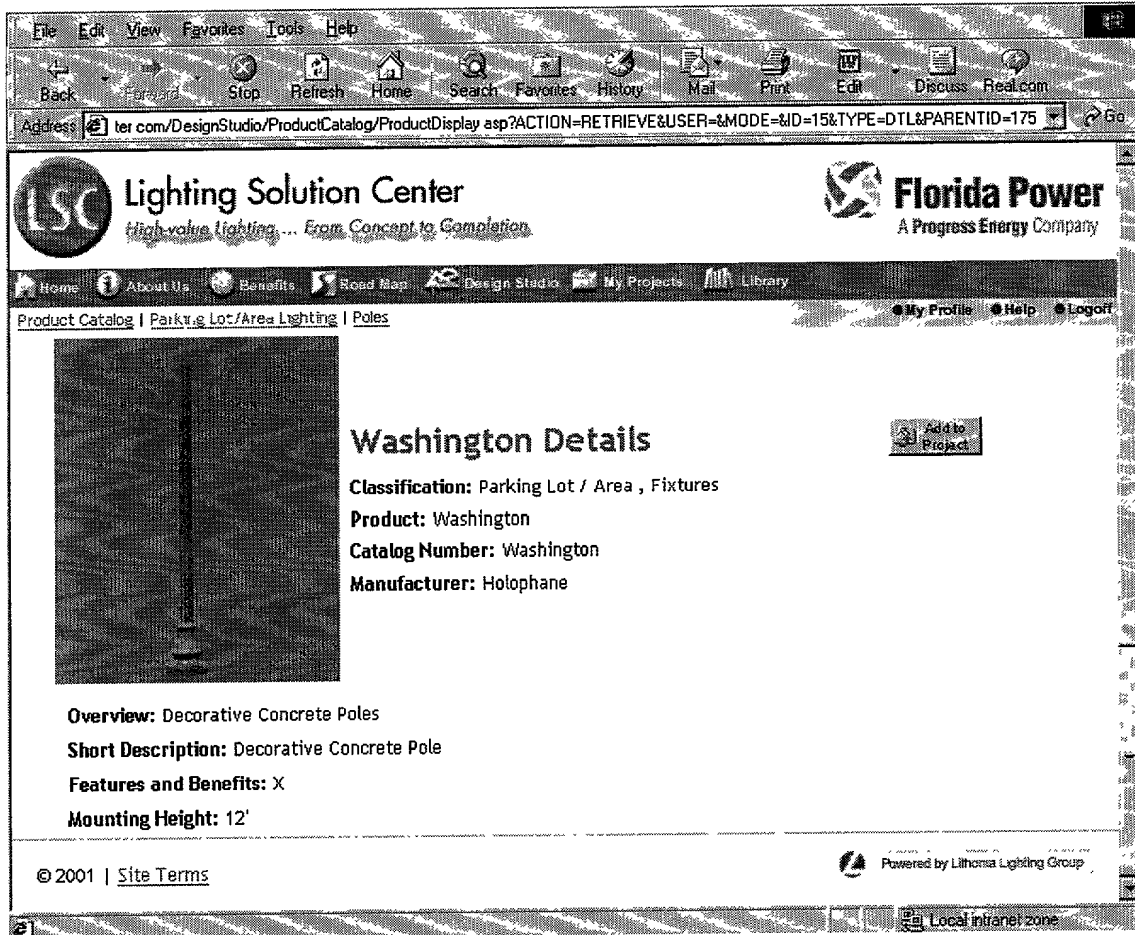


FIGURE 43

The screenshot shows a web browser window with the address <http://www.lightingsolutioncenter.com/DesignStudio/DesignPalette/default.asp>. The page features the LSC logo with the tagline "High-value Lighting... From Concept to Completion" and the Florida Power logo, a Progress Energy Company. A navigation bar includes links for Home, About Us, Benefits, Road Map, Design Studio, My Projects, and Library. User options for My Profile, Help, and Logoff are also present.

Design Palette

The Design Palette lets you be the artist! Mix and match luminaires and poles on standard application backgrounds, or upload your own background image for a truly creative experience.

[Select From Existing Palettes](#) [Create New Palette](#)

Instructions

- 1. Select the Background** - Start by selecting the background for your scene from the Background Options drop-down box. If you would like to upload your own image, simply click the "Upload Background" icon, navigate to your file, and select the upload button. It will then appear as one of the choices in the drop-down box. For optimal viewing, uploaded files should be 515 pixels wide by 389 pixels high (72 dpi photos will upload the fastest).
- 2. Place the Fixtures** - After you've selected your background, you're ready to start placing luminaires and poles by clicking the "Add Fixture" button. You can add up to two fixtures per scene. You can also change the scale and location for a more realistic appearance. Once you select the fixture and the outline box turns blue, you can click on the red up/down arrow to resize, or click anywhere in the blue box to move the fixture.
- 3. Mix and Match** - Want to see how different fixtures and poles would look on your project? Click on the product you would like to change, and a blue box will appear around it. Then toggle through the various fixture and pole options. The Design Palette has been programmed to only allow you to view compatible fixture/pole combinations.
- 4. Save** - Once you've chosen the perfect fixture/pole combination for your project, name it and save it for future reference by clicking on the "Save Design" icon. You can view your saved designs by choosing one from the drop-down menu and clicking on the "View" button.
- 5. Print** - Want to print the design you have created? Start by clicking on the "Prepare to print" icon. Click on File and then select Print.

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FIGURE 44

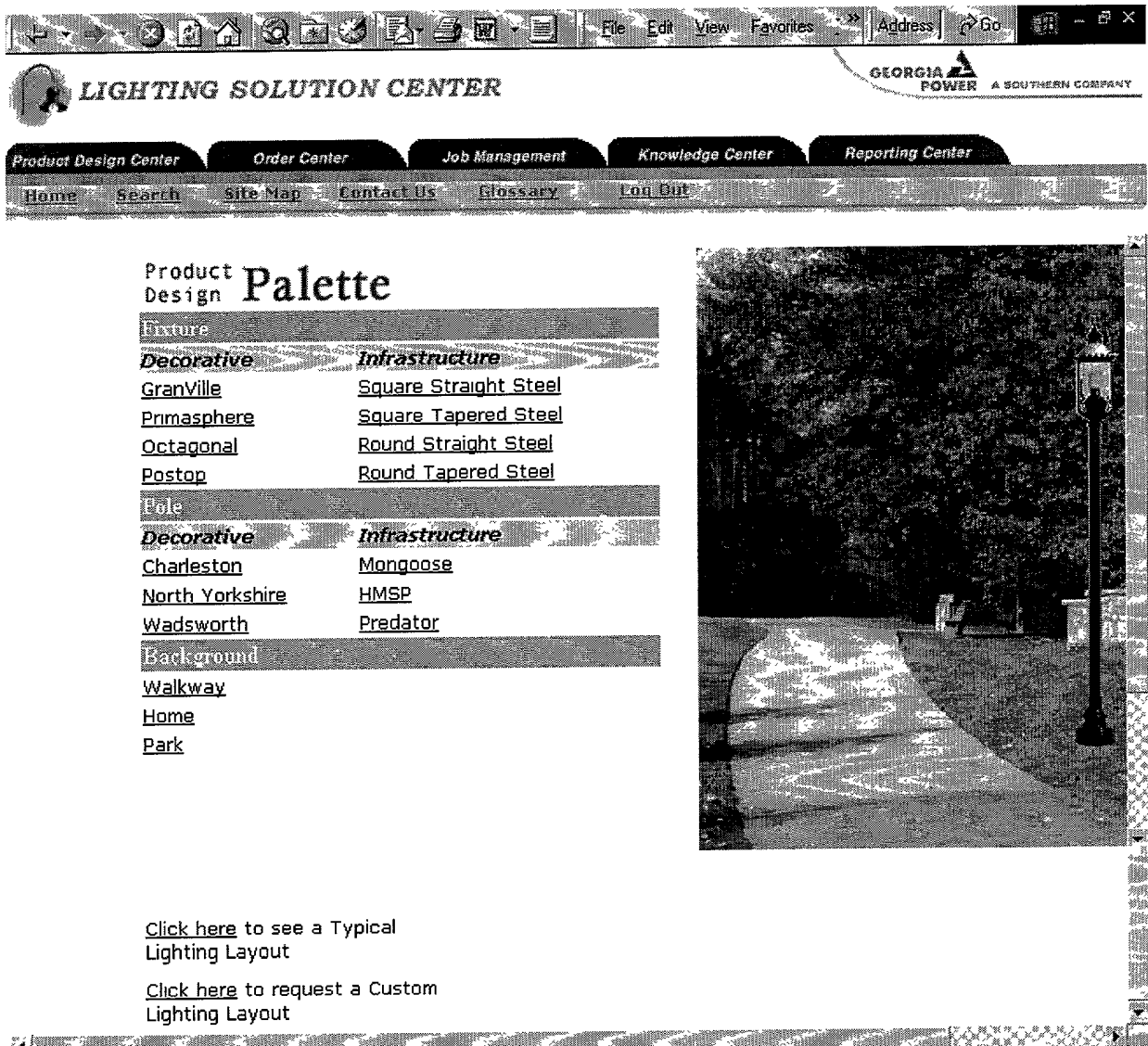


FIGURE 45

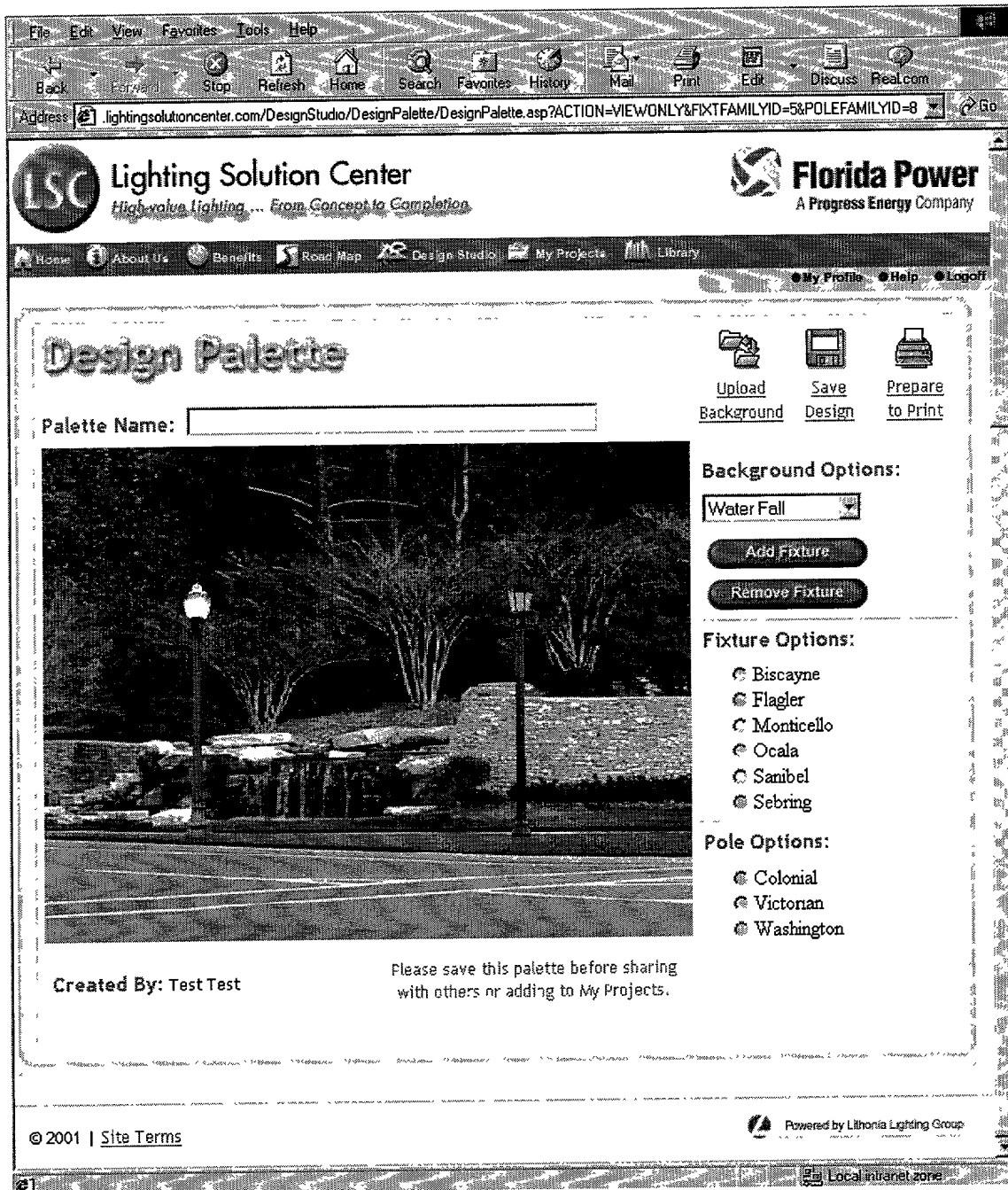


FIGURE 46

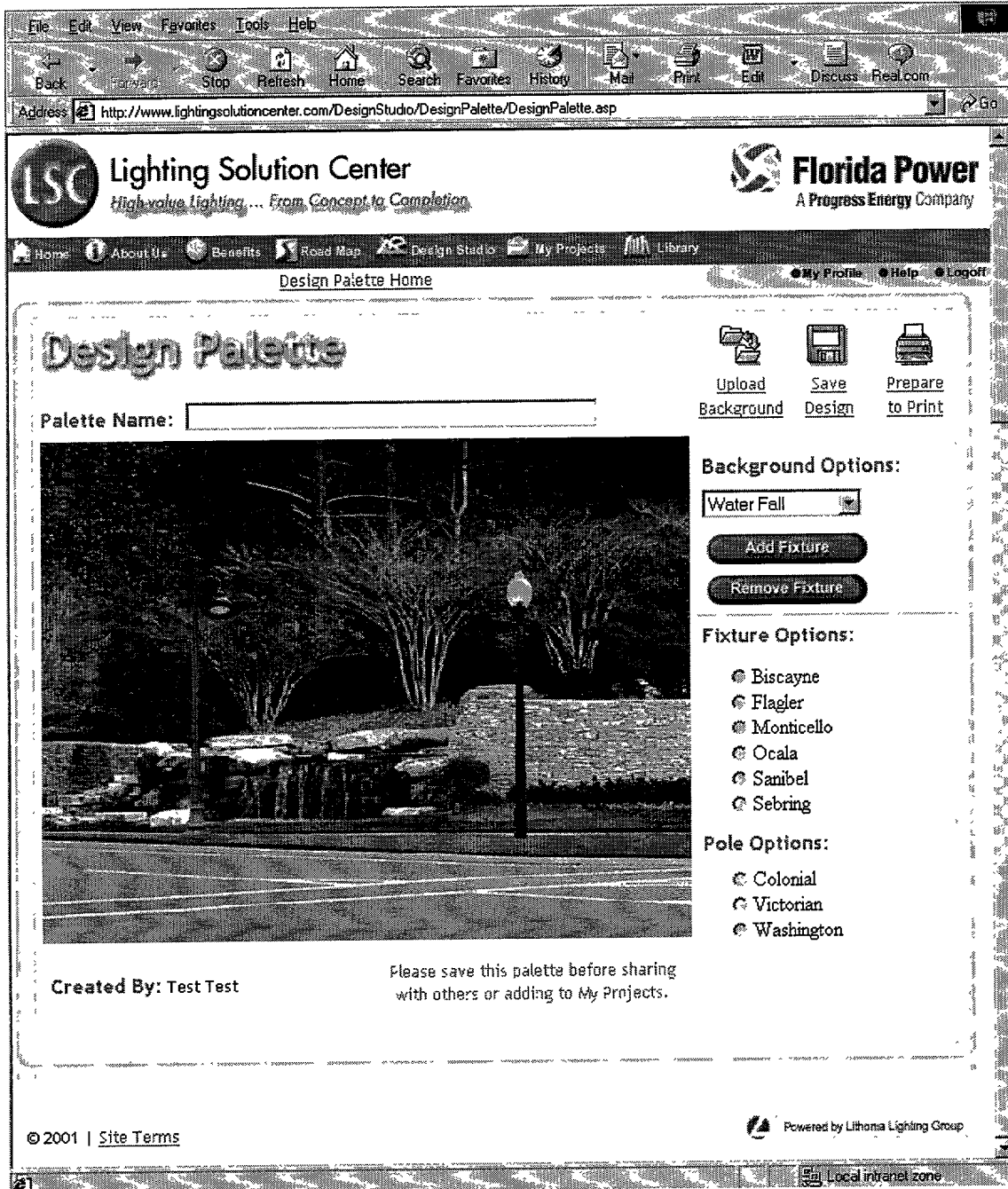


FIGURE 47

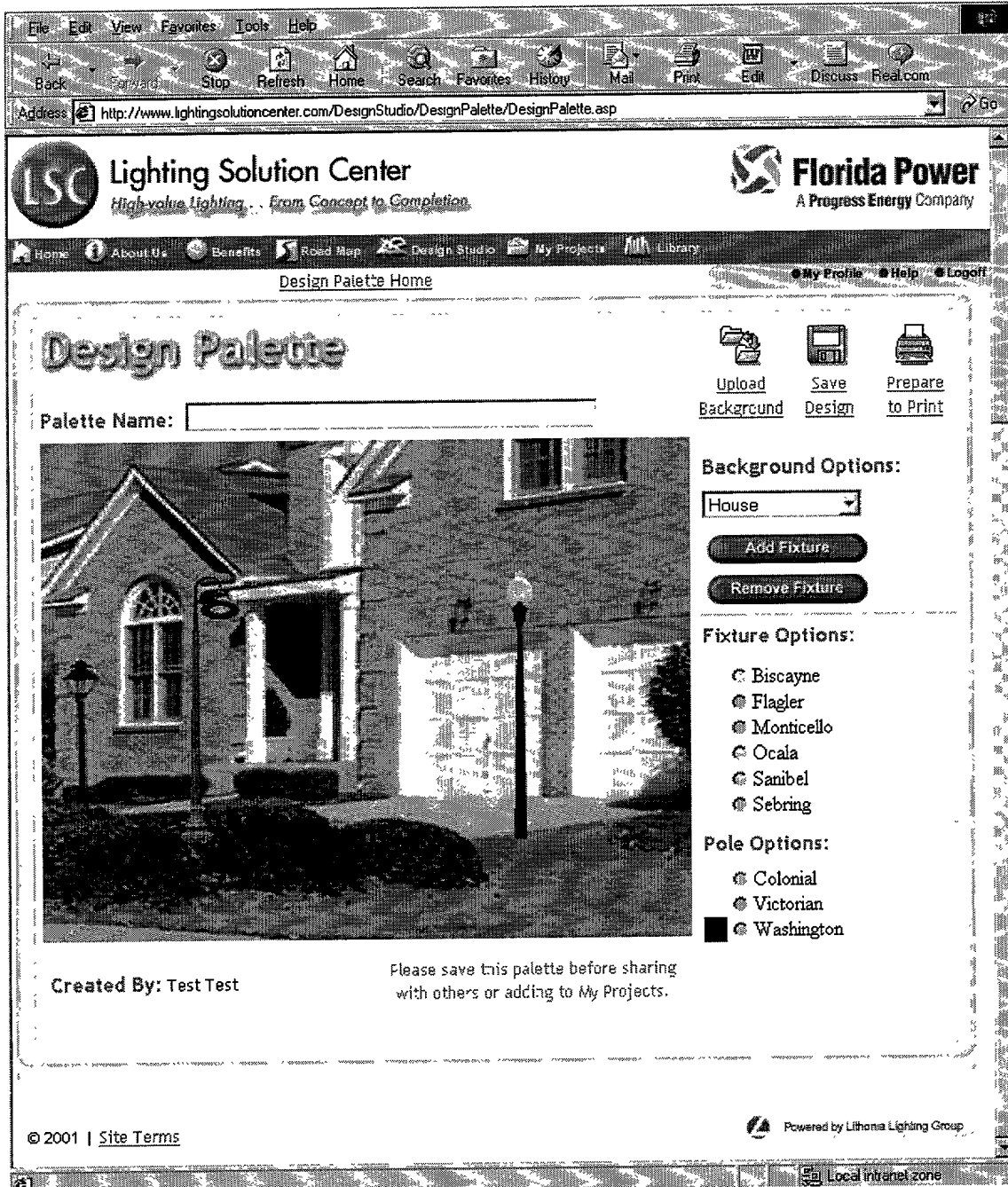


FIGURE 48

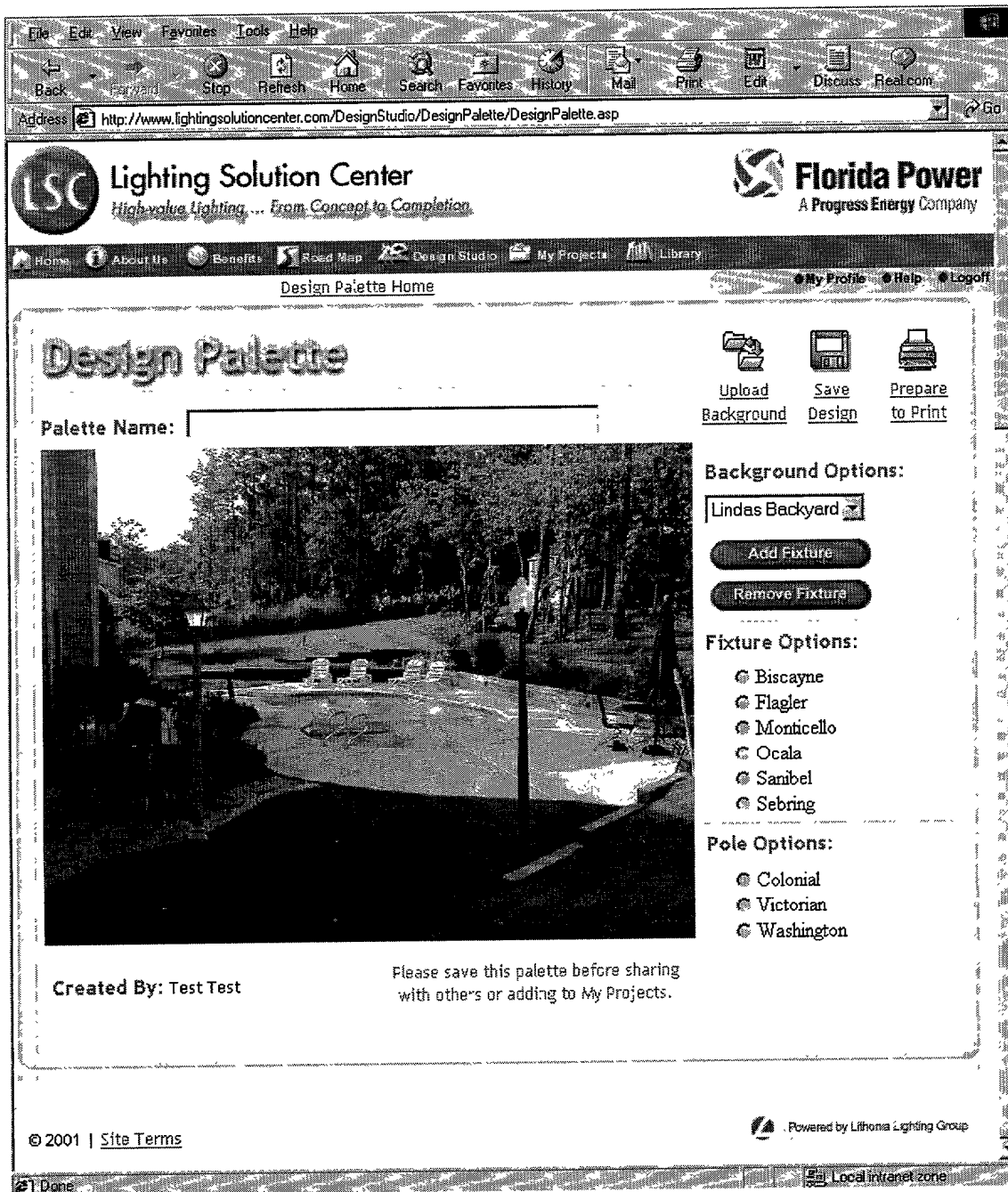


FIGURE 49

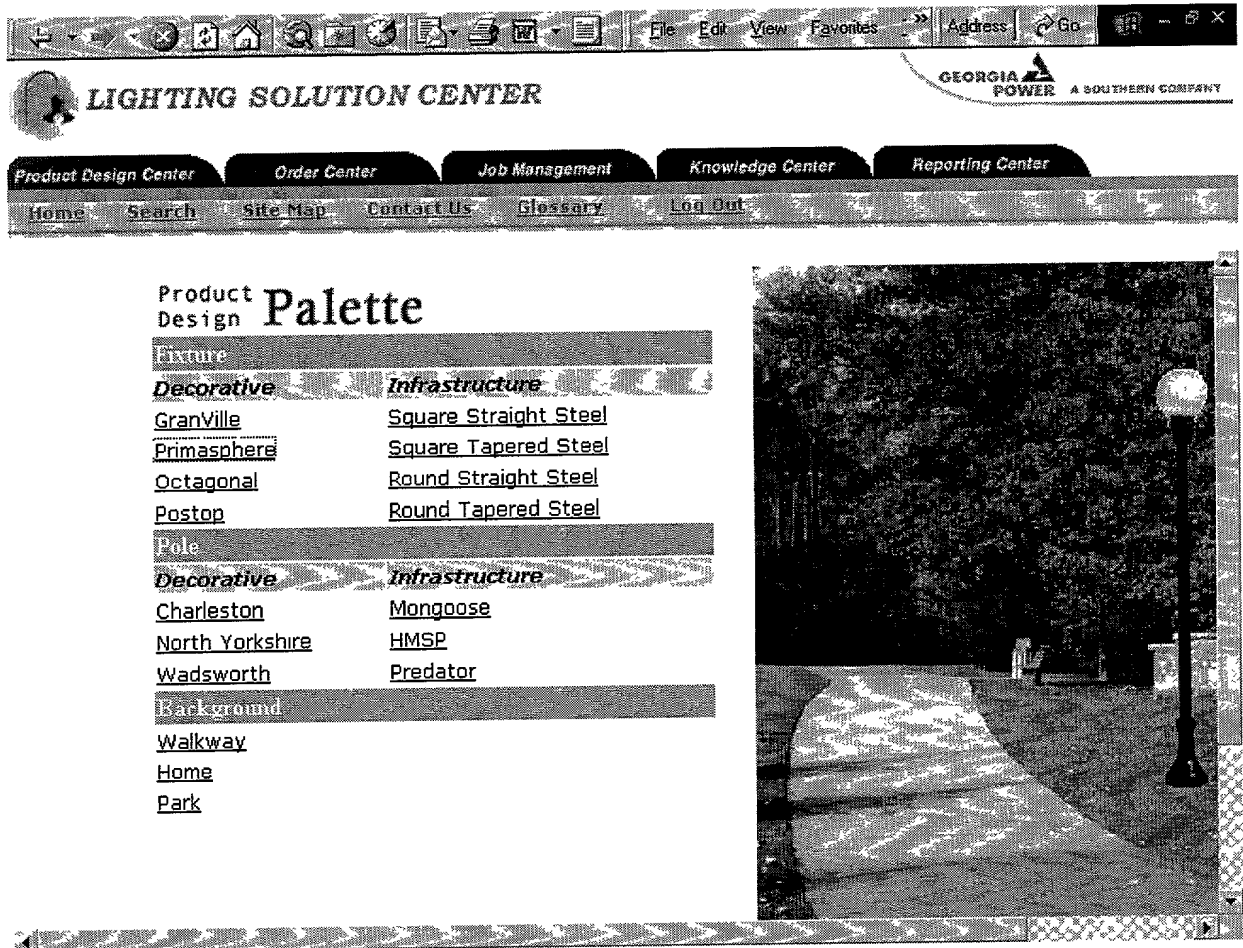


FIGURE 50

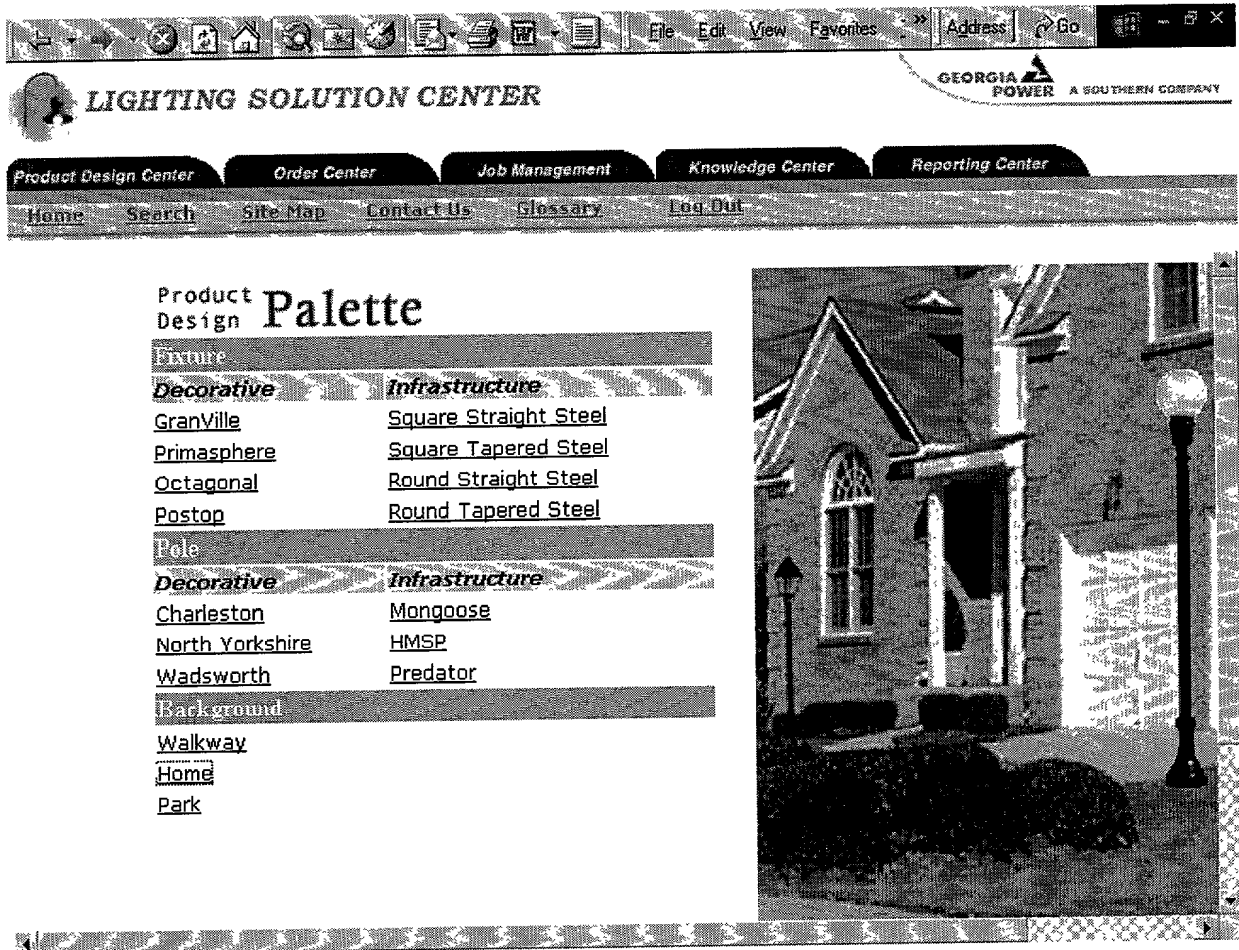


FIGURE 51

File Edit View Favorites Tools Help

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Address http://www.lightingsolutioncenter.com/DesignStudio/CaseStudies/default.asp?MODE=TYPEID

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Case Studies

Case Studies contains information about lighting solutions for a variety of different lighting projects. Each project is documented with background information, design objectives, product selection and the benefits associated with leasing an outdoor lighting system from Florida Power.

[Sort by Name](#) | [Sort by Project Type](#) | [Sort by Style](#)

Project Name	Products	Project Type	Application
 Details Johns Landing	Biscayne	Residential	Roadway Lighting
 Details Rock Springs Ridge	Biscayne	Residential	Roadway Lighting
 Details Sheratons Vistana Villages	Flagler	Commercial	Roadway Lighting
 Details City of Apopka	Biscayne	Governmental	Roadway Lighting

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FIGURE 52

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Address http://www.lightingsolutioncenter.com/it_home.asp

LIGHTING SOLUTION CENTER











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Home Search Site Map Contact Us Glossary Log Out

Job Portfolio

Check out some of the best lighting choices used in the industry. Select a location for more details.

	Project Name	Product	Virtual Tour
	Saint Ives Shopping Center Medlock Bridge Road	Washington Postlites on Columbia Poles	
	Westside Parkway Alpharetta	Mongoose on 40' Aluminum Poles	
	Gables at Sugarloaf Lawrenceville	Arlingtons on Wadsworth Poles	
	City of Alpharetta Alpharetta	GranVillas on Wadsworth Poles	
	Piedmont Park Atlanta	Washingtons on North Yorkshire Posts	


Local network

FIGURE 53


File Edit View Favorites Tools Help

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Address http://www.lightingsolutioncenter.com/DesignStudio/CaseStudies/ShowCase.asp?ACTION=RETRIEVE&ID=526&GROUP=127 Go



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Residential:

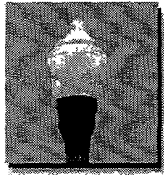
Decorative Lighting Adds Value to New Luxury Community

Job Name: Johns Landing


Job Location: 634 Johns Landing Way
Oakland, Florida 34762

Featured Products: Biscayne

Application Type: Roadway Lighting



Biscayne
Traditional acorn glass globe



Johns Landing, a new residential development in Oakland, Florida, is one of several communities around Orlando that has chosen to go with decorative streetlighting.

Decorative lighting creates a sense of nostalgia; a 1940s feel.

Key Points:

- Introduction
- Create an Attractive, Safe Neighborhood
- Hassle-Free Installation and Maintenance
- Conclusion

Library Links:

Typical Layouts

Roadway Lighting

Introduction

As redevelopment efforts continue in and around Orlando, Florida, residential communities are adding touches of their own to complement the effort. A prime example of this is in the streetlighting. Decorative fixtures seem to be the trend in downtown streetlighting, so residential developers are using them in their own communities as well. Because streetlighting is part of the overall package of a neighborhood, it should complement the architecture and landscaping. Decorative concrete posts have become very popular because they give a neighborhood an upscale feeling while offering long term durability and aesthetics.

Johns Landing, a new, private residential development in Oakland, Florida, is one of several communities that has chosen to go with decorative streetlighting. Tucked away on Johns Lake, it is hard to imagine this quiet, upscale neighborhood is just minutes from downtown Orlando. This gated community has its own boat ramp, tennis courts and playground. Production homes range from \$180,000 to \$350,000, lake-view homes go from \$250,000 to \$300,000 and lakefront homes range from \$600,000 to \$750,000.

When asked why the development team chose to use decorative streetlighting, Kevin Dickey, a broker with Coldwell Banker, commented, Decorative streetlighting is more ornamental and more attractive than overhead lighting which looks commercial. Decorative lighting creates a sense of nostalgia; a 1940s feel. Its just a nicer package.

The team at Johns Landing chose Biscayne Series luminaires on concrete poles. Not only are these lights attractive, but they also hold up well over a long period of time. Because the fixtures are glass, they won't become discolored in five years like conventional plastic acorn fixtures. In addition, the prismatic refractors help direct light beams to the desired pattern, allow

Local intranet zone

1005027-050001

FIGURE 54



FIGURE 55

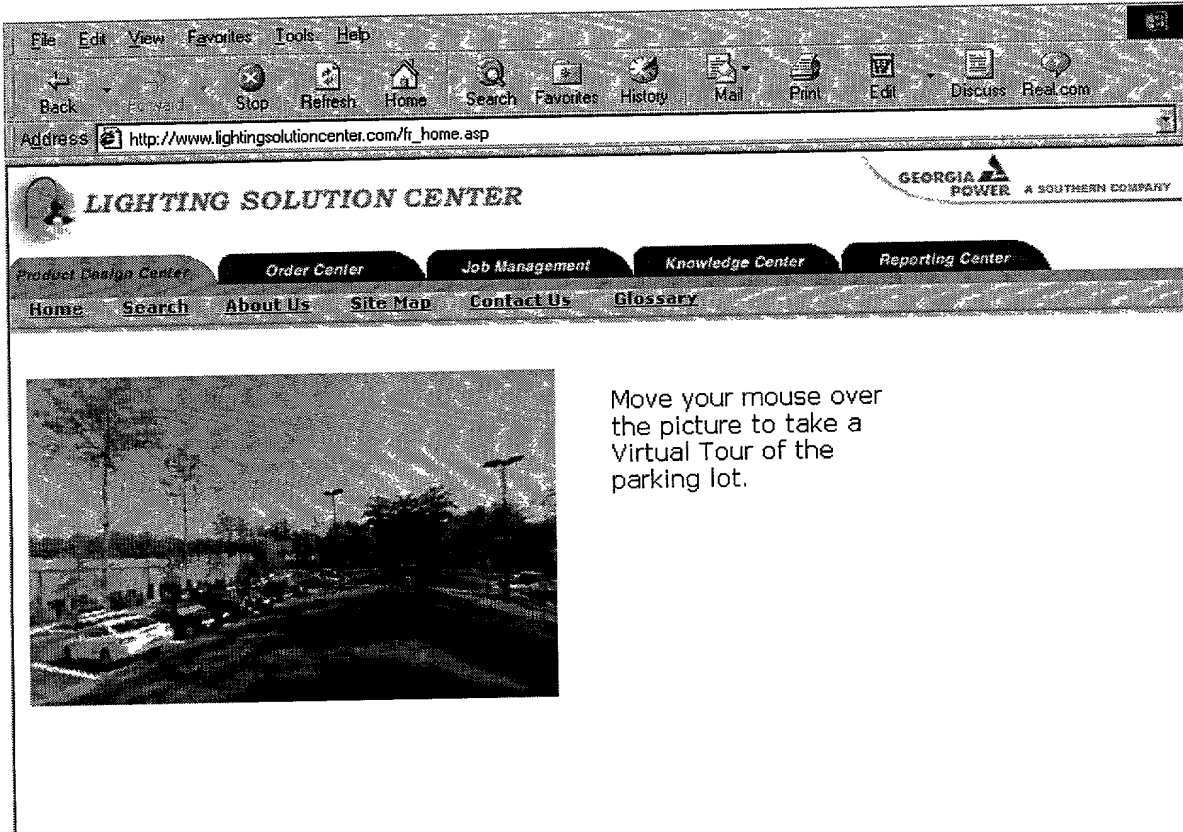


FIGURE 56

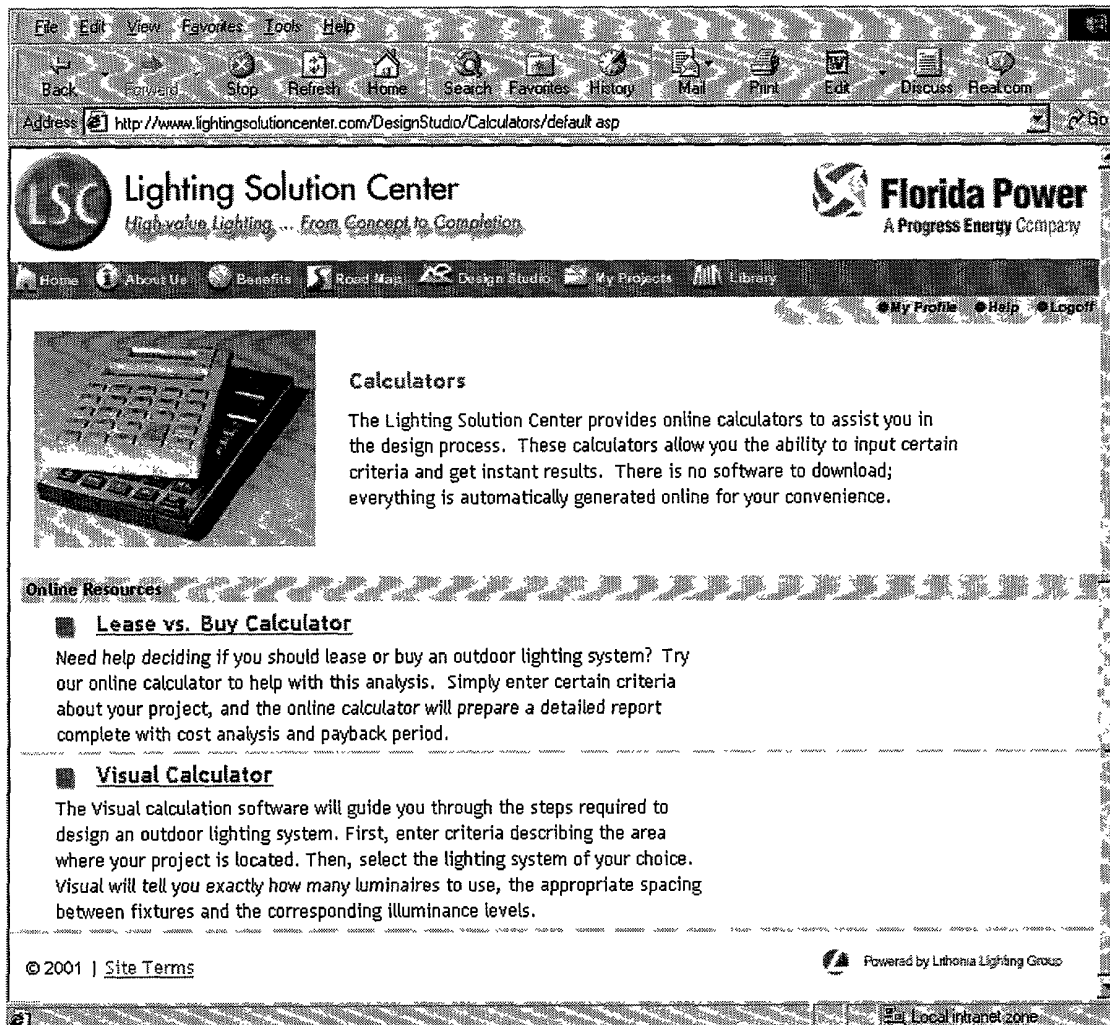


FIGURE 57

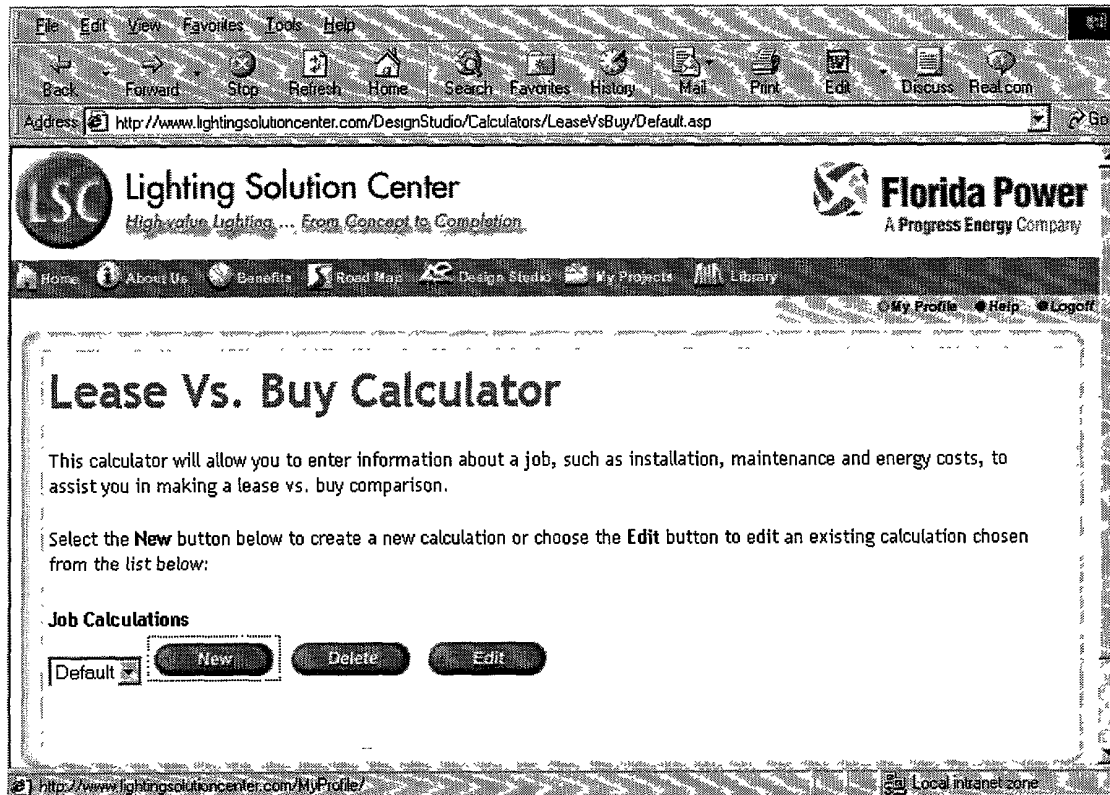


FIGURE 58

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Real.com

Address: <http://www.lightingsolutioncenter.com/DesignStudio/Calculators/LeaseVsBuy/Step1.asp?Action=New>

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Lease Vs. Buy Calculator

Step 1 - Enter Job Name, Select Pole and Fixture Family

You may also enter/modify the number of poles needed for this job and the number of fixtures for each pole.

Job Name:

Pole Family: # Pole Locations:

Fixture Family: # Fixtures per location:

Back Next

Done Local intranet zone

FIGURE 59

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Real.com

Address <http://www.lightingsolutioncenter.com/DesignStudio/Calculators/LeaseVsBuy/Step2.asp?ACTION=NEW> Go

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Lease Vs. Buy Calculator

Step 2 - Select Pole and Fixture

You may also enter/modify the number of poles needed for this job and the number of fixtures for each pole.

Available Poles:

Available Fixtures:

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FIGURE 60

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Real.com

Address http://www.lightingsolutioncenter.com/DesignStudio/Calculators/LeaseVsBuy/Step3.asp?ACTION=NEW

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Lease Vs. Buy Calculator

Step 3 - Installation Costs

Enter/modify the Purchase and Lease Installation costs below:

Purchase Options	Lease Options
Cost per Pole/Fixture Assy:	2500
Cost per Lamp(initial):	50
Number feet of trenching:	10000
Cost per foot of trenching:	3.1
Cost per foot of pipe:	5.1
Cost per foot of wire:	0.8
Unit Installation cost of Pole/Foundation:	500
Installation Labor Rate:	47
Hours to install one fixture to pole:	2
	Lease up-front install cost: 0

Back Next

Done Local intranet zone

FIGURE 61

File Edit View Favorites Tools Help

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Address <http://www.lightingsolutioncenter.com/DesignStudio/Calculators/LeaseVsBuy/Step4.asp?ACTION=NEW>

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Lease Vs. Buy Calculator

Step 4 - Energy Costs

Enter/modify the Purchase and Lease Energy costs below:

Purchase Options	Lease Options
Annual Hours of Fixture Operation: <input type="text" value="2500"/>	Monthly lease energy charge per fixture: <input type="text" value="1.67"/>
Rate per KWH(\$.__): <input type="text" value="0.08"/>	
Watts per fixture: <input type="text" value="100"/>	
Power Factor(%): <input type="text" value="90"/>	
Monthly Demand charge per KVA: <input type="text" value="8"/>	
Total fixture KVA: \$11.11	

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FIGURE 62

File Edit View Favorites Tools Help

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Address <http://www.lightingsolutioncenter.com/DesignStudio/Calculators/LeaseVsBuy/Step5.asp?ACTION=NEW> Go

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Lease Vs. Buy Calculator

Step 5 - Maintenance Costs

Enter/modify the Purchase and Lease Maintenance costs below:

Purchase Options	Lease Options
Annual Hours of Fixture Operation: <input type="text" value="2500"/>	Monthly lease maintenance charge per fixture: <input type="text" value="25.83"/>
Service charge per call: <input type="text" value="150"/>	
Avg lamp life(hours): <input type="text" value="16000"/>	
Cost of replacement lamps: <input type="text" value="50"/>	
Hours to replace one lamp: <input type="text" value="1"/>	
Avg ballast life(hours): <input type="text" value="100000"/>	
Cost of replacement ballast: <input type="text" value="100"/>	
Hours to replace one ballast: <input type="text" value="2"/>	
Hourly maintenance rate: <input type="text" value="50"/>	

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FIGURE 63

File Edit View Favorites Tools Help

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Address <http://www.lightingsolutioncenter.com/DesignStudio/Calculators/LeaseVsBuy/Results.asp?SACTION=NEW> Go

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Costs	Lease	Buy
Total installed cost of lighting system	\$0	\$404,400
Annual energy cost	\$2,004	\$3,067
Annual maintenance cost	\$30,996	\$2,616

Financial

Life of system (years)

Discount rate (%)

Annual system operating cost	\$33,000	\$5,682
Annual operating savings	(\$27,318)	
Simple payback time (years)	14.80	
Simple ROI (%)	6.76	
PV	\$267,299	

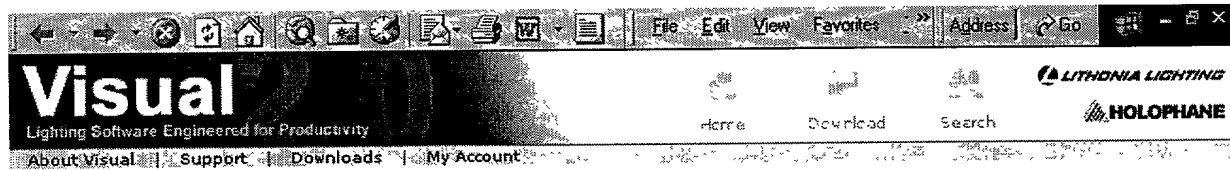
Back Save Update

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FIGURE 64



Welcome

Visual 2.0 is powerful lighting application software engineered to bring productivity to the lighting design process. This website is your source for Visual 2.0 news, software updates, technical support, technical documents, and access to your private account.

About Visual

Learn more about the Visual 2.0 software and Visual Wireless. Examine the features and preview the interface.

[Basic](#) [Professional](#) [Wireless](#) [Lumen Method Tool](#)

Support

Search the Visual 2.0 knowledgebase, view commonly asked questions, request technical support, and access technical documents.

[Search](#) [FAQ](#) [Technical Info](#) [Contact Us](#)

Downloads

Download Visual 2.0 and the accompanying files. Also download any patches and/or updates here.

[Software](#) [Photometrics](#) [Documents](#) [Typicals](#)

My Account

Register your copy of Visual 2.0, update your contact information, or purchase a Professional Edition license.

[Log In](#) [My Account](#) [Create Account](#) [Purchase](#)

News

- Visual 2.0 SP1 allows manufacturers to link their photometric files to their product web pages. Click here to see how it works.

- Having trouble importing DWG/DXF files in Visual 2.0 Service Pack 1? An updated DLL for importing DWG/DXF files is available. If you installed Visual from the SP1 CD click here to download a patch that will resolve this issue.

- Service Pack 1 is now available. The service pack addresses many known issues since the initial release of Visual 2.0. It is recommended that all users upgrade to SP1.

- We are pleased to announce the newest edition of Visual. Visual Wireless provides the functionality of the Lumen Method Tool through your web enabled cellular phone. Great for doing lighting calculations at the job site or on the road.

FIGURE 65

The screenshot shows a web browser window displaying the Lighting Solution Center website. The address bar shows the URL: <http://www.lightingsolutioncenter.com/MyProjects/>. The page features the LSC logo and the tagline "High-value Lighting... From Concept to Completion". The Florida Power logo is also visible, with the text "A Progress Energy Company".

The navigation bar includes links for Home, About Us, Benefits, RoadMap, Design Studio, My Projects, and Library. There are also links for My Profile, Help, and Log Off.

The main content area is titled "Project Tools: New" and "My Projects". It contains a description: "This section of the Lighting Solution Center allows you to manage the full life cycle of your lighting project. All current and previously created projects are listed below. You can filter the projects by any of the categories, and you can sort by the headings to help keep you organized and efficient."

Below the description is a "Project List" table with the following data:

Name	History	Type	Start Date	Project Team	Number
Orlando Retirement Village	View History	Residential	10/24/2001	View Team	001-000016
Tim's second project	View History	Commercial	10/24/2001	View Team	001-000017
Tim's 3rd project	View History	Residential	11/06/2001	View Team	001-000033

The footer includes the copyright notice "© 2001 | [Site Terms](#)" and the text "Powered by Lithonia Lighting Group".

FIGURE 66

The screenshot shows a web browser window displaying the Lighting Solution Center (LSC) website. The browser's address bar shows the URL: <http://www.lightingsolutioncenter.com/MyProjects/ProjectDetail.asp?ACTION=DETAILS&PROJID=16>. The website header includes the LSC logo with the tagline "High-value Lighting... From Concept to Completion" and the Florida Power logo, identified as "A Progress Energy Company". A navigation menu contains links for Home, About Us, Benefits, RoadMap, Design Studio, My Projects, and Library. User options for My Profile, Help, and Log Off are also present.

The main content area is titled "Orlando Retirement Village" and provides the following project details:

- Project Number: 001-000016
- Type: Residential
- Project Manager: Tim Hogan
- City: Orlando
- State: Florida
- Zip Code: 00000
- County: USA
- Phone Number: 000-000-0000
- E-mail Address: thogan@lithonia.com
- Project Team: [Click here](#)
- History: [Click here](#)

To the right of these details, a section titled "My Projects allows you to manage the full life-cycle of your lighting project by providing the following capabilities:" lists several functions:

- Request and view **Proposals** containing recommended luminaires, spacing, quantities and pricing.
- Add additional **Applications** (parking lot/ area, pedestrian, roadway) to your project.
- Request and view **Contracts**.
- Upload **Site Plans**, **Photos** and other relevant **Documents**.
- View items added to the **Concepts** tab from the Design Studio.
- View a **Financial Analysis** generated by the online Calculator.
- View your project **History**.
- Share** your project with others.

Below this list is a "Project Clipboard" section with tabs for Proposals, Site Plan, Photos, Concepts, Documents, and Financial Analysis. The "Proposals" tab is active, displaying a table with the following data:

Application	Products	Creation Date	Proposal Status	Contract Status
Pedestrian path	Flagler/ Washington Biscayne/ Washington	10/24/2001	Awaiting Proposal	N/A

Below the table is a link to "Add New Application". At the bottom of the page, there is a copyright notice "© 2001 | [Site Terms](#)" and a logo for "Powered by Lithonia Lighting Group". The browser's status bar at the very bottom shows "Done" and "Internet".

FIGURE 67

File Edit View Favorites Tools Help

Back Search Favorites Media

Address <http://www.lightingsolutioncenter.com/MyProjects/ProjectMaint.asp?ACTION=EDIT&PROJID=16> Go Links Customize Links

LSC Lighting Solution Center™
High-value Lighting ... From Concept to Completion

Florida Power
A Progress Energy Company

Home About Us Benefits RoadMap Design Studio My Projects Library

My Profile Help Log Off

Edit Project

[Back to Project Details](#)

Project Header Information

Project Name:	Orlando Retirement Village
Project Manager:	Tim Hogan
Street Address 1:	123 Main Street
Street Address 2:	
Street Address 3:	
City:	Orlando
State:	ALABAMA
Zip Code:	00000
County:	USA
Country:	UNITED STATES
Phone #:	000-000-0000
E-mail Address:	thogan@lithonia.com

Project Description: Orlando Retirement Village is a multi-phase, assisted-living residential village. It will have the amenities of a large city with the convenience of small-town living.

Save

© 2001 | [Site Terms](#)

Powered by Lithonia Lighting Group

Done Internet

FIGURE 68

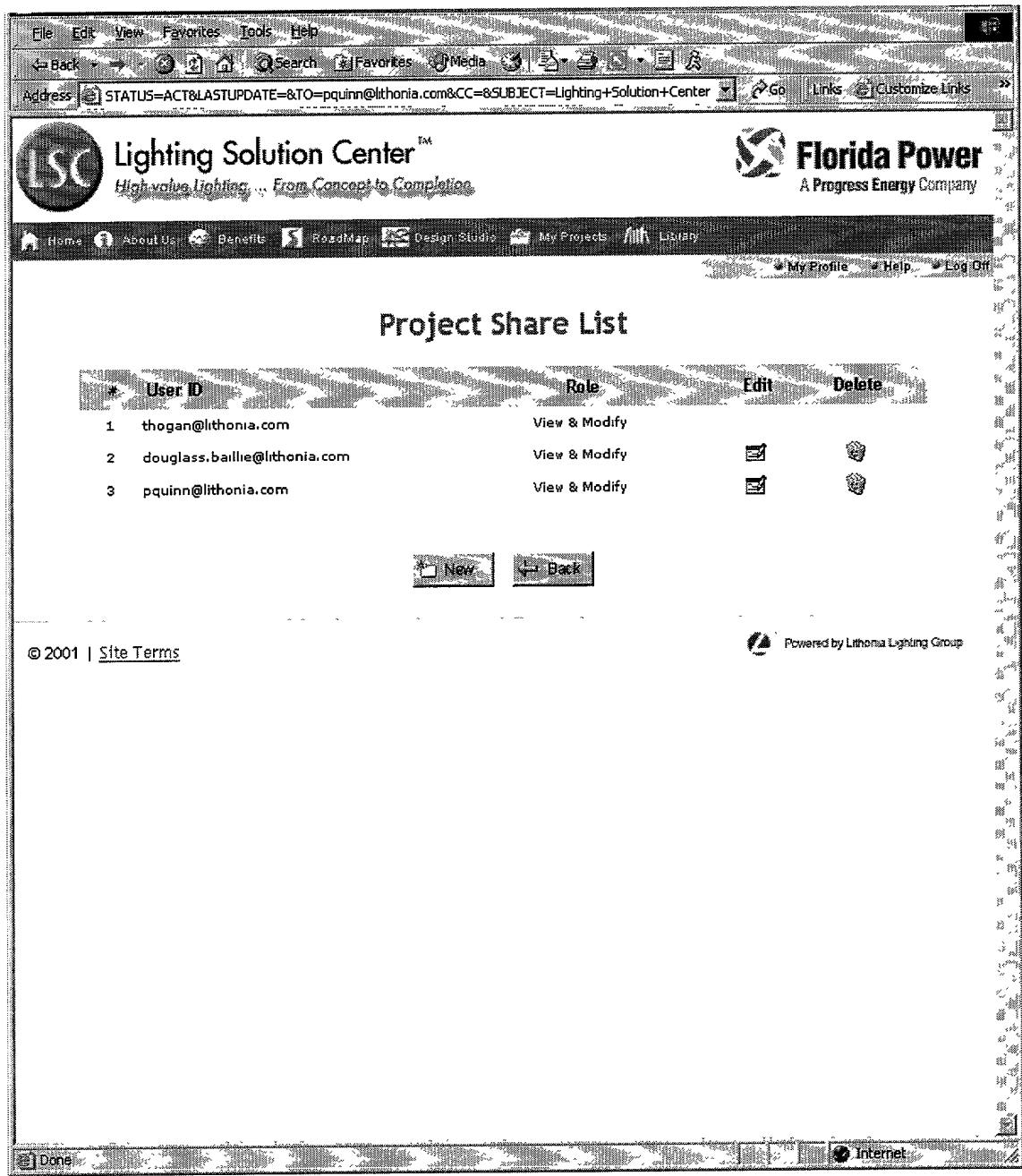


FIGURE 69

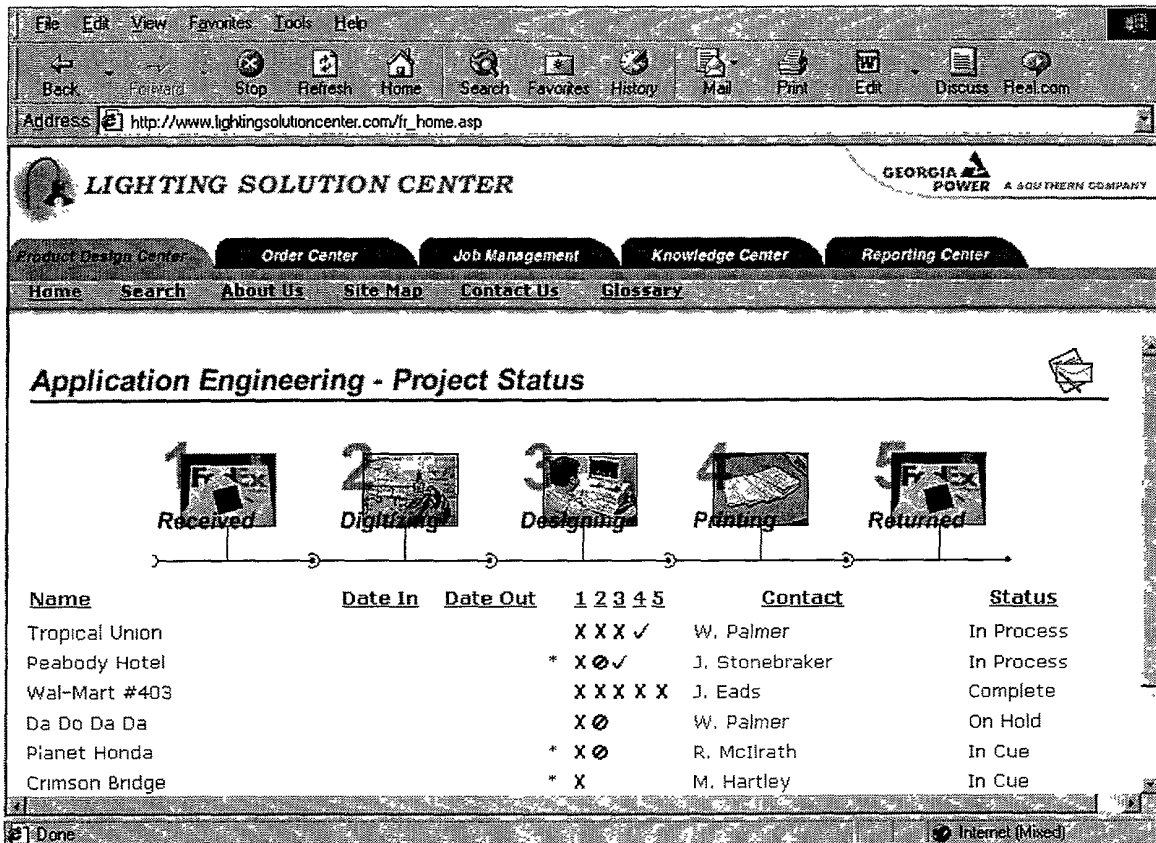


FIGURE 70

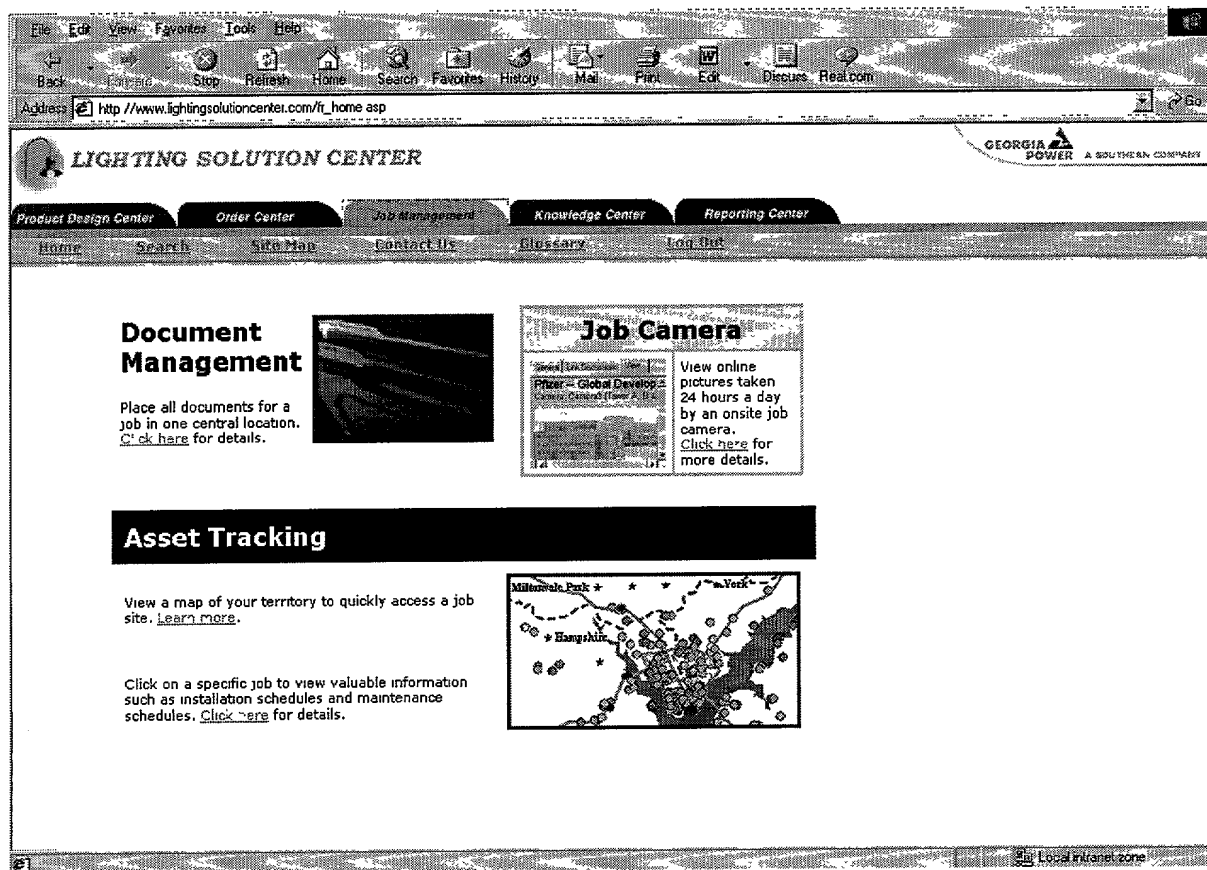


FIGURE 71

The screenshot displays a web browser window with the address http://www.lightingsolutioncenter.com/ft_home.asp. The page header includes the "LIGHTING SOLUTION CENTER" logo and navigation tabs for "Product Design Center", "Order Center", "Job Management", "Knowledge Center", and "Reporting Center". A secondary navigation bar contains links for "Home", "Search", "Site Map", "Contact Us", "Glossary", and "Log Out".

The main content area is titled "Document Management" and includes a descriptive text: "Provides a list of all documents that have been saved for the project. This enables you to track files as well as monitor all changes." Below this text is a "Project Files" table with columns for "Name", "Author", and "Type".

Name	Author	Type
0 Executive Dashboard	Wayne James	Folder
0000-000 - Content Term	Jason Medak-Katz	Folder
0000-000 - Reference ar	Jason Medak-Katz	Folder
0000-000 - Template Pro	Jason Medak-Katz	Folder
1750-007 - Charlotte Cer	Jason Medak-Katz	Folder
1993-023 - 300 California	Jason Medak-Katz	Folder
1994-012 - Expo Hall - P	Jason Medak-Katz	Folder
1995-015 - Expo 2000 - I	Jason Medak-Katz	Folder
1996-026 - McInnis Build	Jason Medak-Katz	Folder
1998-033 - Newport High	Jason Medak-Katz	Folder
1999-021 - 235 Montgom	Jason Medak-Katz	Folder
1999-028 - 722 Fountain	Jason Medak-Katz	Folder
1999-109 - Queen City C	Jason Medak-Katz	Folder
2000-010 - Harlequin Off	Wayne James	Folder
ada signage	Wayne James	Folder
Budget	Jason Medak-Katz	Folder
City of San Jose Res	Jason Medak-Katz	Folder
Drawings	Jason Medak-Katz	Folder
Financials	Jason Medak-Katz	Folder
Job Camera	Jason Medak-Katz	Folder
Meeting Minutes	Jason Medak-Katz	Folder
Plan Check	Jason Medak-Katz	Folder
Project Info	Jason Medak-Katz	Folder
RFIs	Jason Medak-Katz	Folder
Specifications	Jason Medak-Katz	Folder
Submittals	Jason Medak-Katz	Folder
Visuals	Wayne James	Folder

The interface also features a left sidebar with icons for "Site Info", "Site Administration", and "Project Info". The bottom status bar indicates the user is in a "Local intranet zone".

FIGURE 72

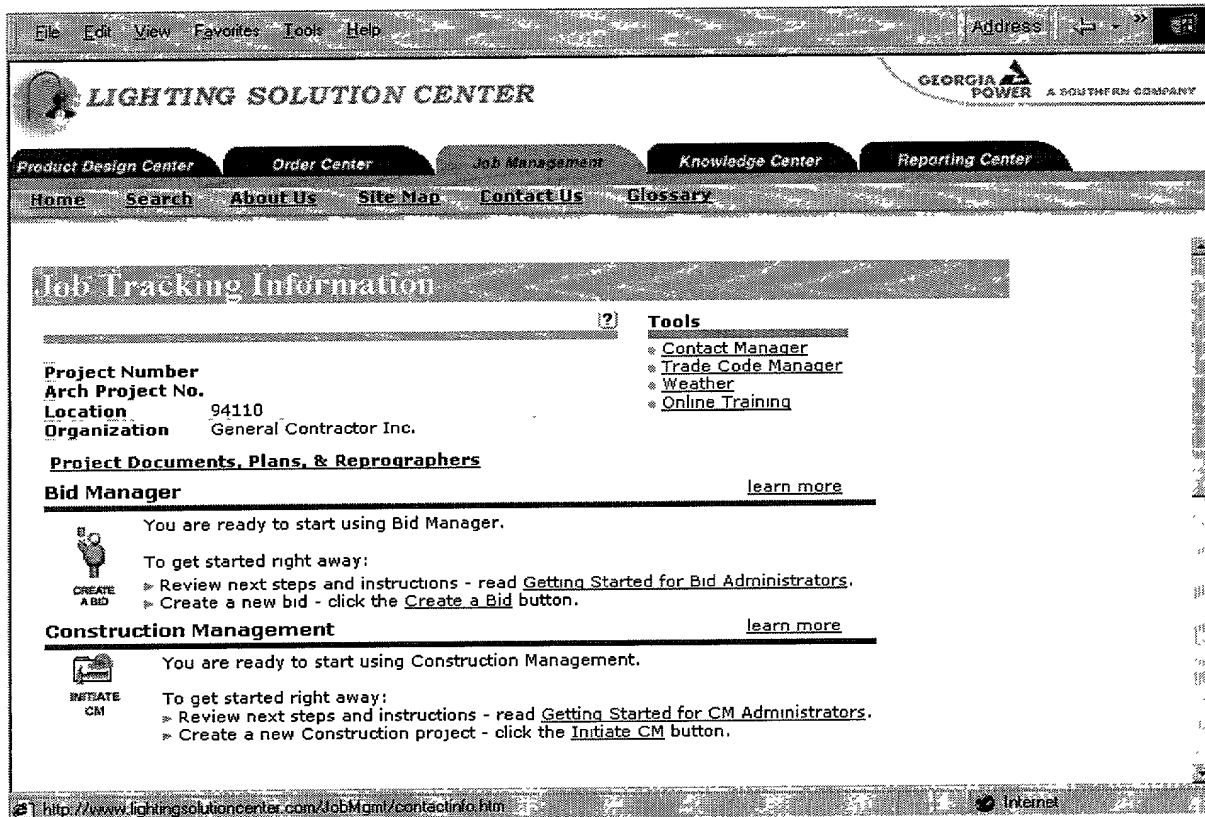
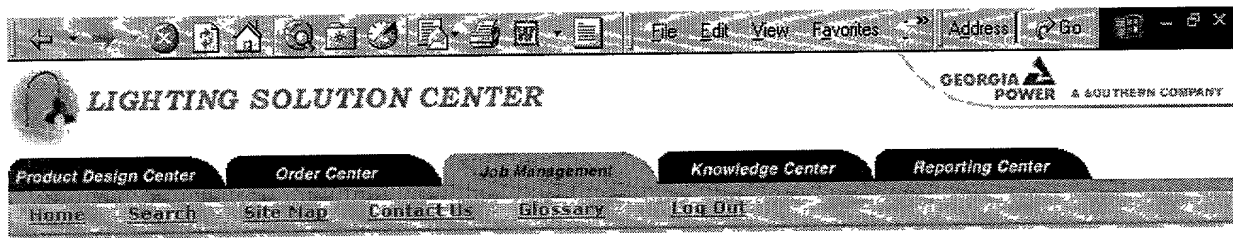


FIGURE 73



Job Camera

Another feature of job management is the Job Camera. This feature allows you to have a camera on site that will take pictures at regular intervals and save them to the correct file.

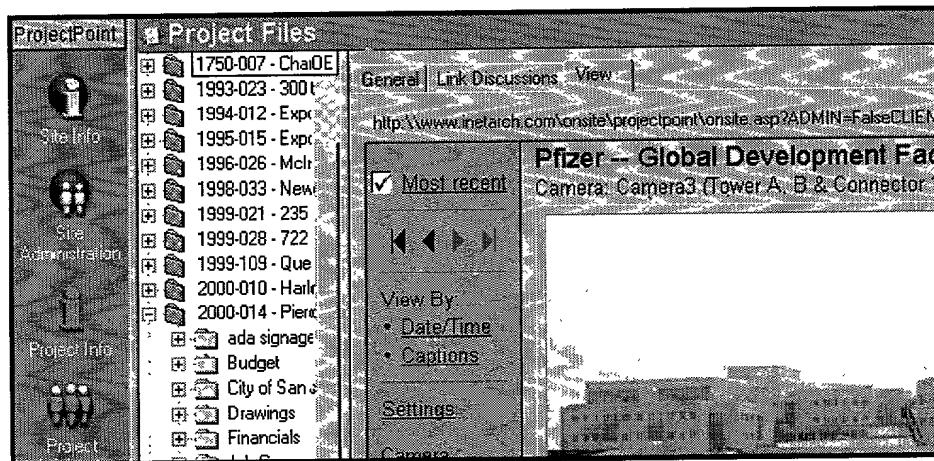
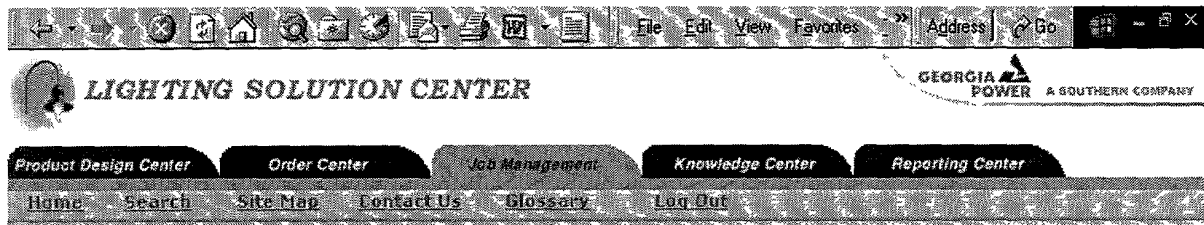


FIGURE 74



Asset Tracking

Asset tracking allows you to pull information from numerous databases and have this information plotted on a map. For instance, you could create a map that allow you to view all job locations throughout a city.

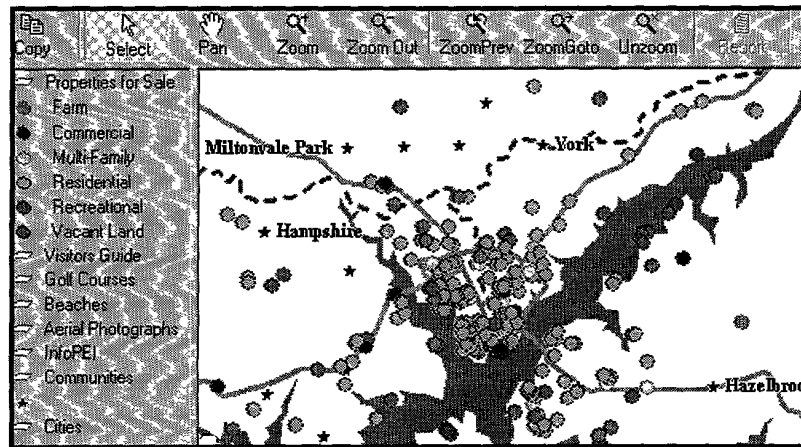
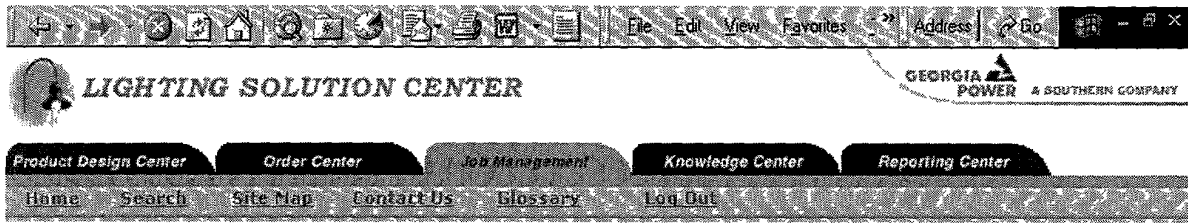


FIGURE 75



Asset Tracking

Once you view your map, you are able to zoom in on a location and obtain detailed information about the job at that location.

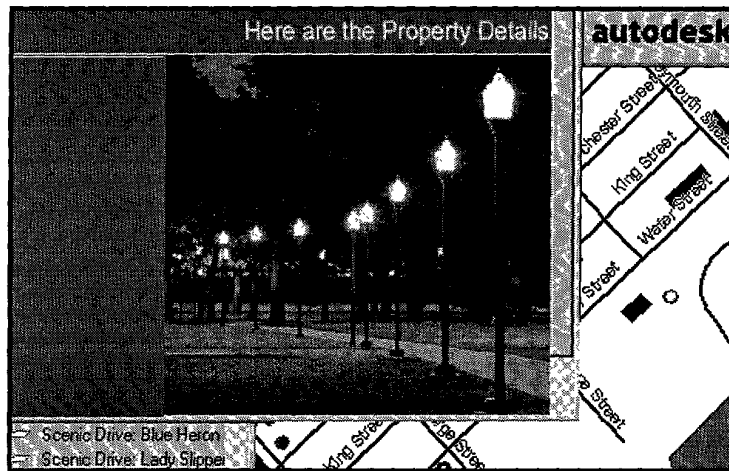


FIGURE 76

File Edit View Favorites Tools Help Address

LIGHTING SOLUTION CENTER GEORGIA POWER A SOUTHERN COMPANY

Product Design Center Order Center Job Management Knowledge Center Reporting Center

Home Search About Us Site Map Contact Us Glossary

1. Select a Report

☐ Sales by Product ☐ Maintenance by Product
- Choose a Product - - Choose a Product -

☐ Average Service Days ☐ Sales by Application
- Choose a Product - - Choose a Product -

2. Set Criteria

☐ Dollar Value ☐ Date Range

Submit Reset

Create Custom Reports

Internet

FIGURE 77

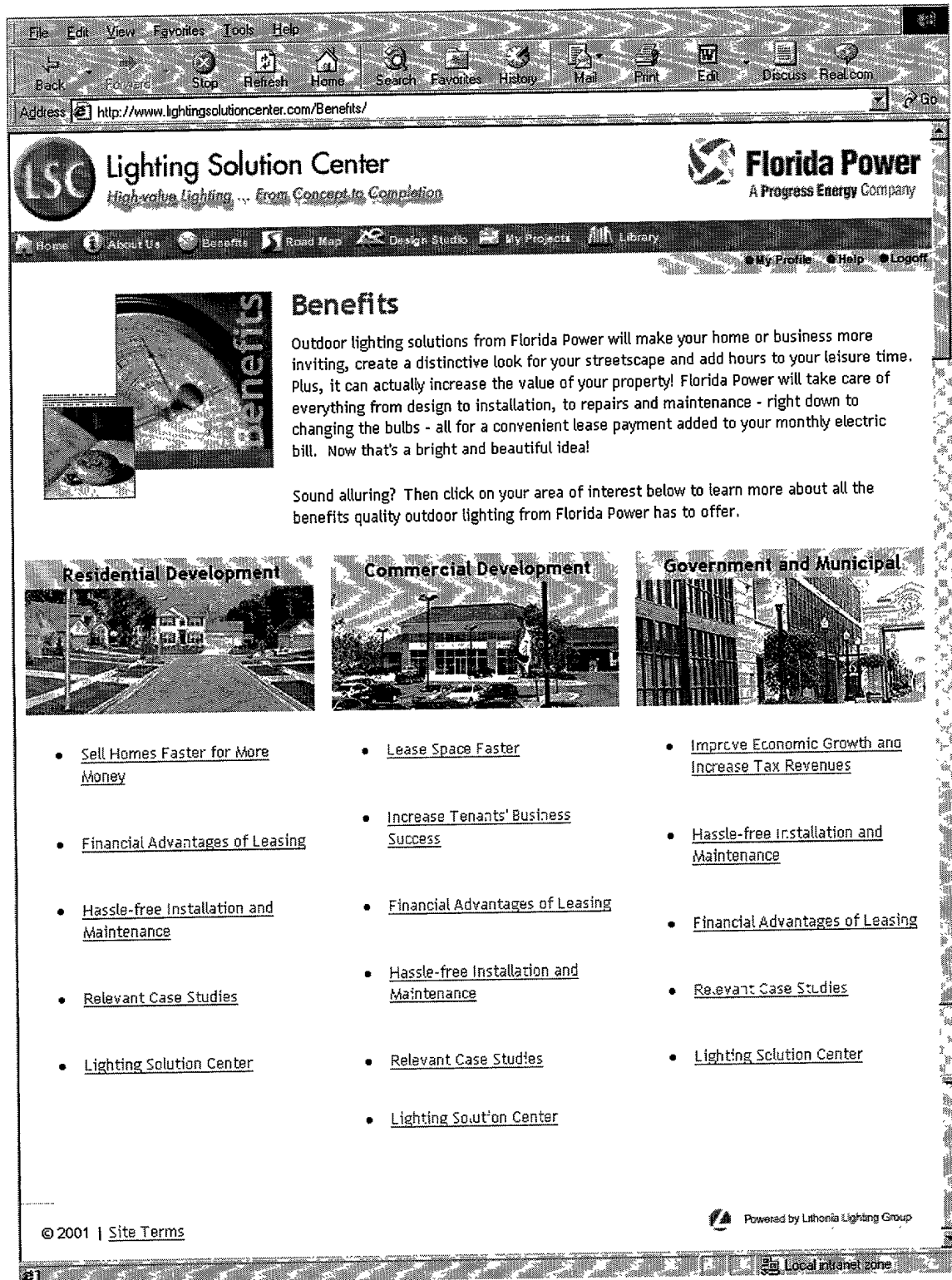


FIGURE 78

The screenshot shows a web browser window with the address bar displaying <http://www.lightingsolutioncenter.com/Benefits/Residential/FinancialAdvantages/default.asp?SiteID=1>. The website header features the 'Lighting Solution Center' logo with the tagline 'High value Lighting... From Concept to Completion' and the 'Florida Power' logo with the tagline 'A Progress Energy Company'. A navigation bar includes links for Home, About Us, Benefits, Road Map, Design Studio, My Projects, and Library. The main content area is titled 'Financial Advantages of Leasing from Florida Power' and includes a paragraph explaining the benefits of leasing streetlighting. Below this, there are several underlined links: 'Low First Cost', 'Timely Installation and Maintenance', 'Operating Savings', 'Lease vs Buy', 'Sell Homes Faster for More Money', 'Hassle-free Installation and Maintenance', 'Relevant Case Studies', and 'Lighting Solution Center'. The footer contains copyright information and a 'Powered by Lithonia Lighting Group' logo.

Lighting Solution Center
High value Lighting... From Concept to Completion

Florida Power
A Progress Energy Company

Home About Us Benefits Road Map Design Studio My Projects Library

My Profile Help Logoff

Financial Advantages of Leasing from Florida Power

Between the points, fees and interest accrued on pre-development bridge loans, construction loans and permanent loans, the costs associated with financing can account for approximately 45% of a project's total development costs. A streetlighting lease program through Florida Power is the ideal way to lower capital carrying costs and still deliver the highest quality residential product to the market.

Low First Cost

Timely Installation and Maintenance

Operating Savings

Lease vs Buy

Sell Homes Faster for More Money

Hassle-free Installation and Maintenance

Relevant Case Studies

Lighting Solution Center

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Local intranet zone

FIGURE 79

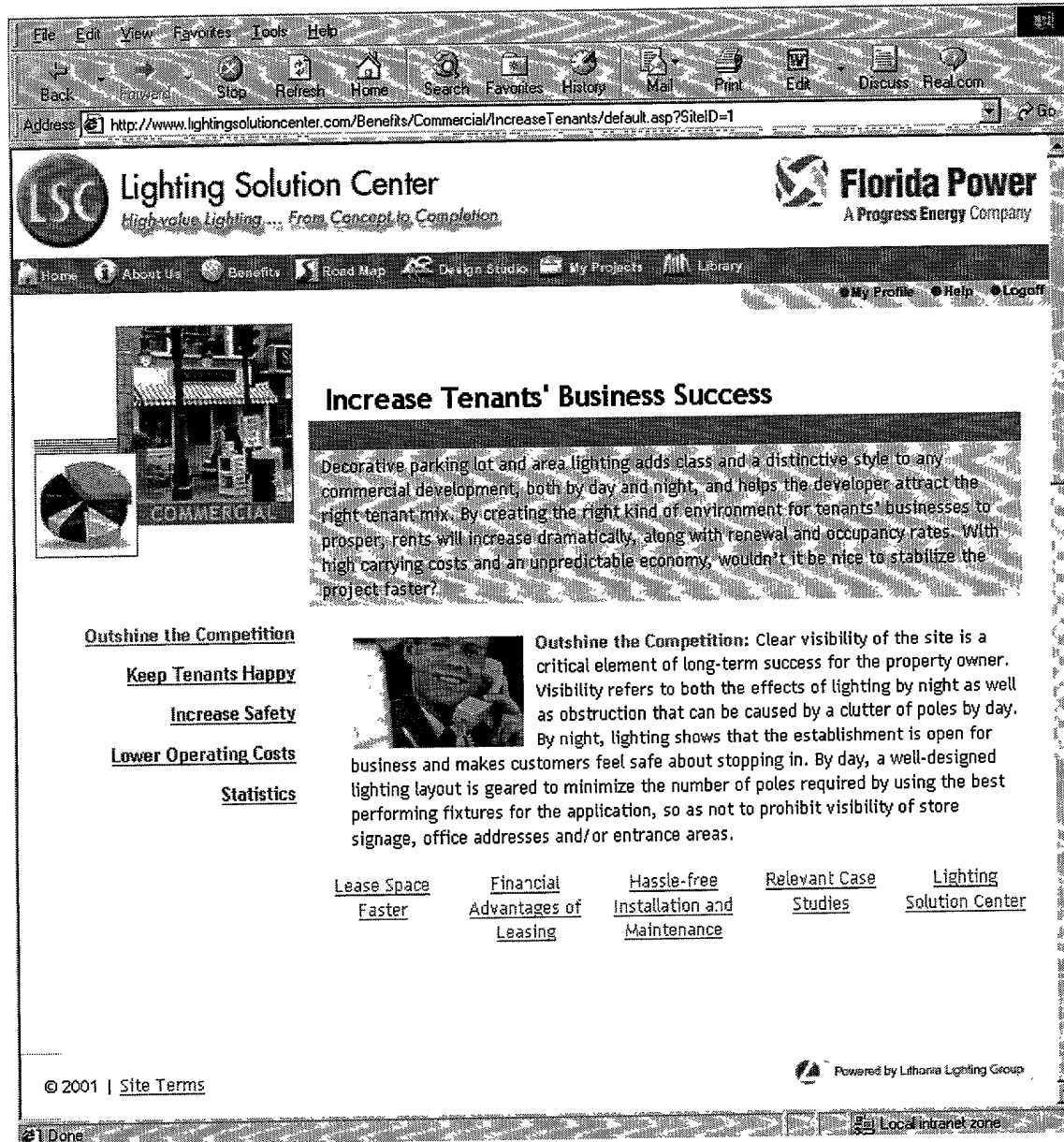


FIGURE 80

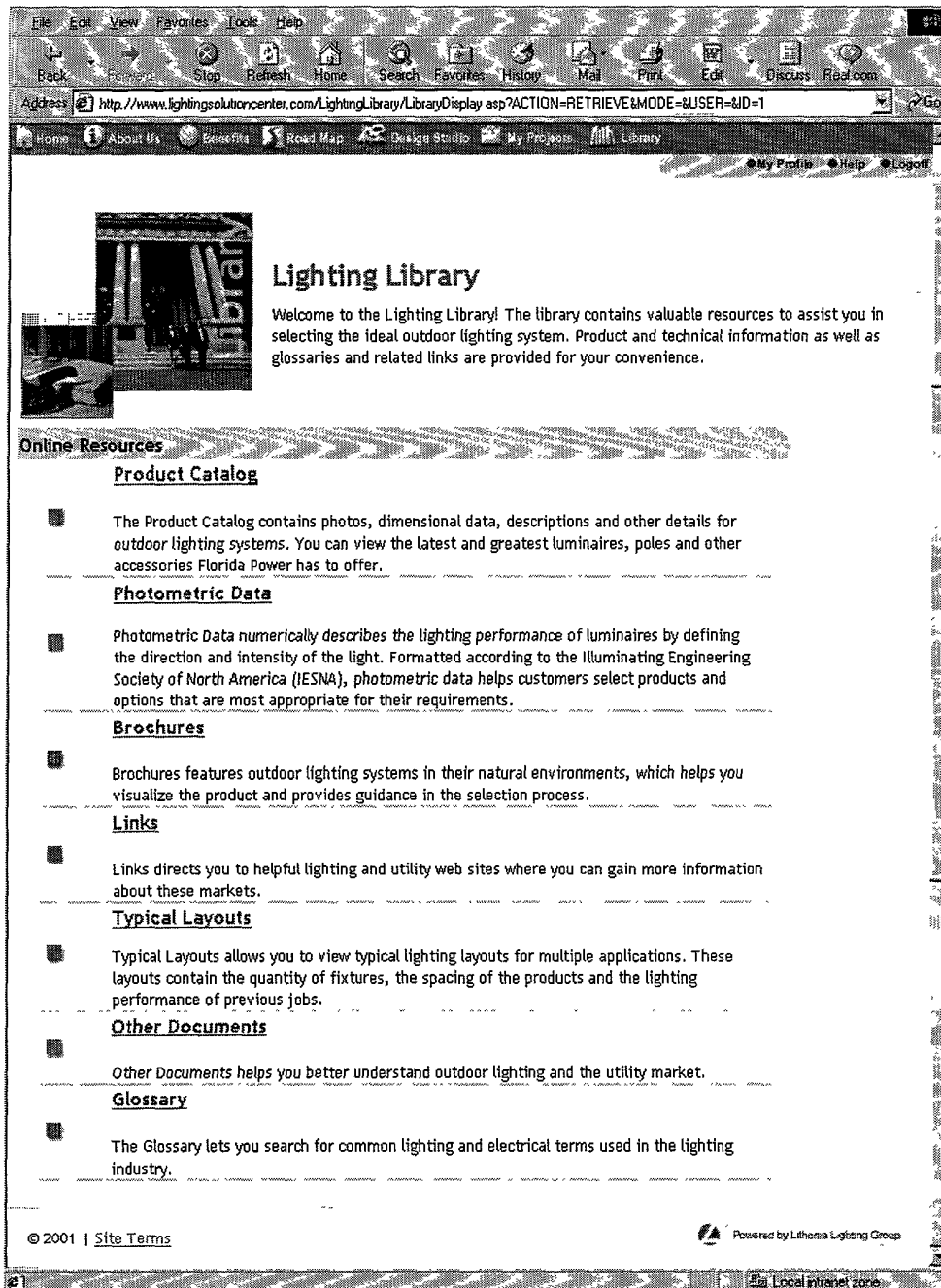


FIGURE 81

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Real.com

Address http://www.lightingsolutioncenter.com/LightingLibrary/LibraryDisplay.asp?ACTION=RETRIEVE&USER=&MODE=&ID=3&TYPE=GRP

LSC Lighting Solution Center
High-value Lighting... From Concept to Completion

Florida Power
A Progress Energy Company

Home About Us Benefits Road Map Design Studio My Projects Library

Lighting Library My Profile Help Logout

Photometric Data

Photometric Data numerically describes the lighting performance of luminaires by defining the direction and intensity of the light. Formatted according to the Illuminating Engineering Society of North America (IESNA), photometric data helps customers select products and options that are most appropriate for their requirements. Photometric files are most commonly used with lighting calculation software which provides layout information such as quantity and spacing of luminaires, as well as corresponding footcandle levels.

Products

Parking Lot/Area Lighting

Area or parking applications are typically unsheltered parking lots that require broad, uniform illumination for safety and security and to help drivers locate their vehicles.

Roadway Lighting

Florida Power's selection of roadway products are designed to combine the best qualities of performance, illumination and efficiency to provide an unparalleled roadway lighting system.

Pedestrian Lighting

Pedestrian and pathway lighting includes illumination of any area primarily intended for use by foot traffic. In addition to safety considerations, it is important to select architecturally styled products with a size and scale that are appropriate for a pedestrian environment.

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Local intranet zone

FIGURE 82


File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Real.com

Address <http://www.lightingsolutioncenter.com/LightingLibrary/LibraryDisplay.asp?ACTION=RETRIEVE&USER=&MODE=&ID=159&TYPE=GRP> Go



Lighting Solution Center
High-value Lighting... From Concept to Completion




Florida Power
A Progress Energy Company

Home About Us Benefits Road Map Design Studio My Projects Library










Lighting Library | Photometric Data

My Profile Help Logout



Pedestrian Lighting

Pedestrian and pathway lighting includes illumination of any area primarily intended for use by foot traffic. This type of lighting is used in public park settings, campus areas and on walkways adjacent to buildings and parking lots. In addition to safety considerations, it is important to select architecturally styled products with a size and scale that are appropriate for a pedestrian environment.

VIEW FILES	NAME	DESCRIPTION
 = Left Click to View, Right Click to Save		
	IES47213	Biscayne Prismatic Glass Acorn, 100-watt Clear High Pressure Sodium, IES Type III, Medium, Non-cutoff
	IES47226	Biscayne Prismatic Glass Acorn, 100-watt Clear Metal Halide, IES Type III, Medium, Non-cutoff
	IES49405	Biscayne Prismatic Glass Acorn, 175-watt Clear Metal Halide, IES Type II, Short, Non-cutoff
	IES52765	Flagler Acorn Globe with Gold Band, 100-watt Clear High Pressure Sodium, IES Type II, Medium, Non-cutoff
	IES43043	Monticello Octagonal Lantern, 100-watt Clear High Pressure Sodium, IES Type III, Medium, Non-cutoff,
	IES43031	Sanibel Shepherd's Crook, 100-watt Clear High Pressure Sodium, IES Type II, Short, Cutoff
	IES49044	Sanibel Shepherd's Crook, 100-watt Clear Metal Halide, IES Type II, Short, Cutoff
	IES43035	Sanibel Shepherd's Crook, 175-watt Clear Metal Halide, IES Type III, Medium, Semi-cutoff

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Done Local intranet zone

FIGURE 82

FIGURE 83

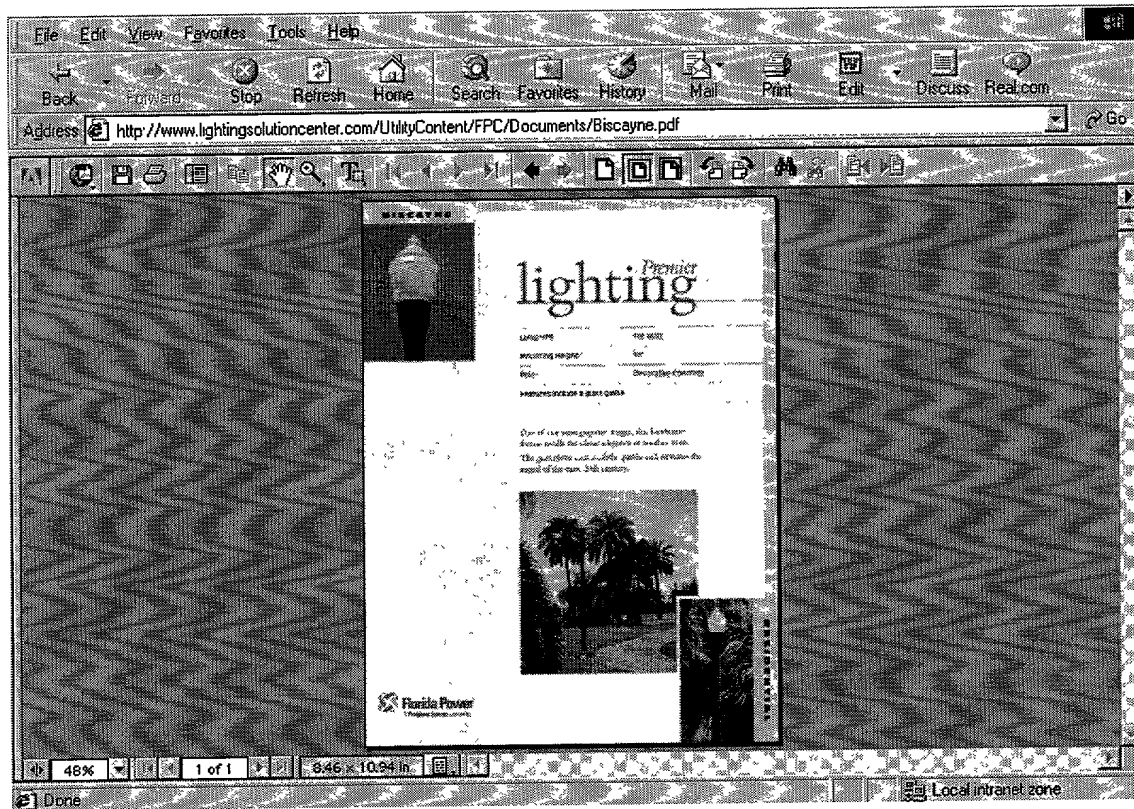
The screenshot shows a web browser window displaying the Lighting Solution Center website. The browser's address bar shows the URL: <http://www.lightingsolutioncenter.com/LightingLibrary/LibraryDisplay.asp?ACTION=RETRIEVE&USER=&MODE=&ID=79&TYPE=GRP>. The website header includes the LSC logo, the text "Lighting Solution Center High-value Lighting ... From Concept to Completion", and the Florida Power logo with the tagline "A Progress Energy Company". Navigation links include Home, About Us, Benefits, Road Map, Design Studio, My Projects, Library, My Profile, Help, and Logoff.

The main content area is titled "Brochures" and features a sub-header: "Brochures features outdoor lighting systems in their natural environments, which helps you visualize the product and provides guidance in the selection process." Below this is a table listing various lighting products.

VIEW FILES	NAME	DESCRIPTION
	Disayne	Traditional Acorn Glass Globe
	Flagler	Acorn Globe with Gold Finial and Band
	Monticello	Octagonal Lantern
	Ocala	Traditional Acrylic Globe
	Sanibel	Shepherd's Crook
	Sebring	Coach Light
	Shoebox	Area Lighter
	Hatbox	Round Area Lighter
	Floodlight	Medium Floodlight
	Home Town	Security Light
	Cube	Area Lighter
	Roadway	Cobrahead
	Decorative Roadway	Decorative Cobrahead
	Poles	Decorative Concrete

At the bottom of the page, there is a copyright notice: "© 2001 | Site Terms" and a logo for "Powered by Lithonia Lighting Group". The browser's status bar at the bottom shows "Done" and "Local intranet zone".

FIGURE 84



1005099-120501

FIGURE 85

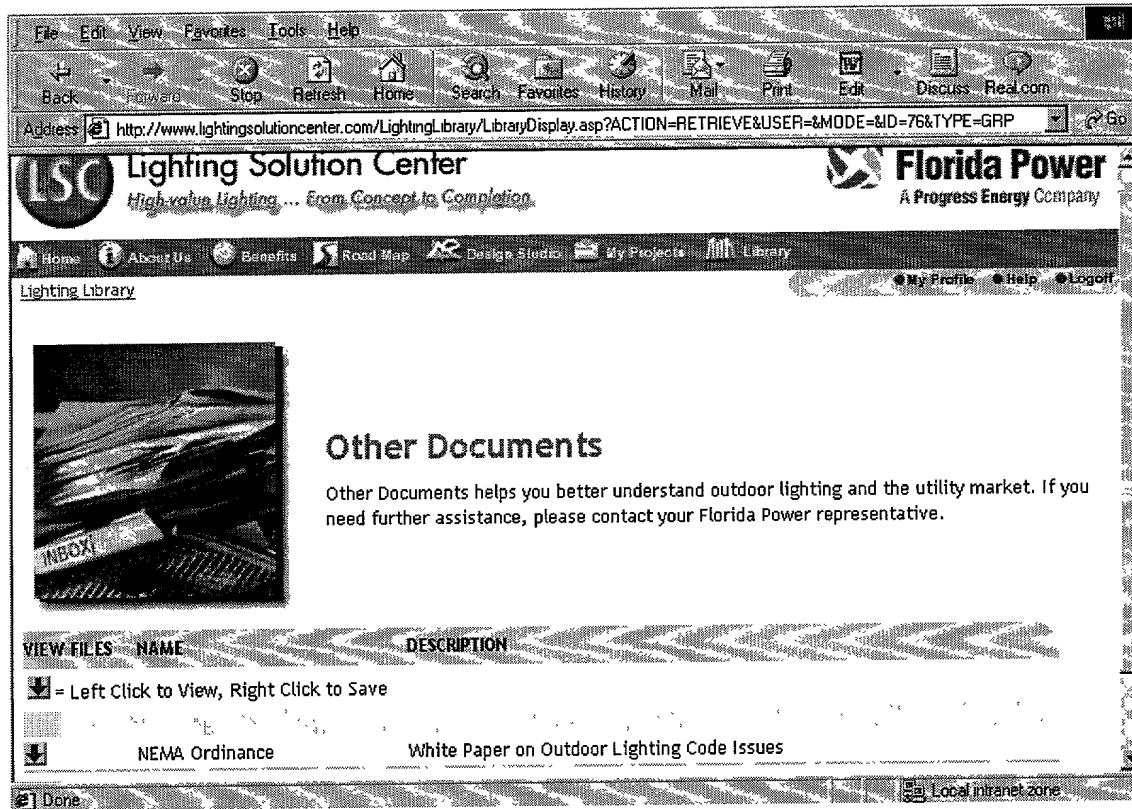


FIGURE 86

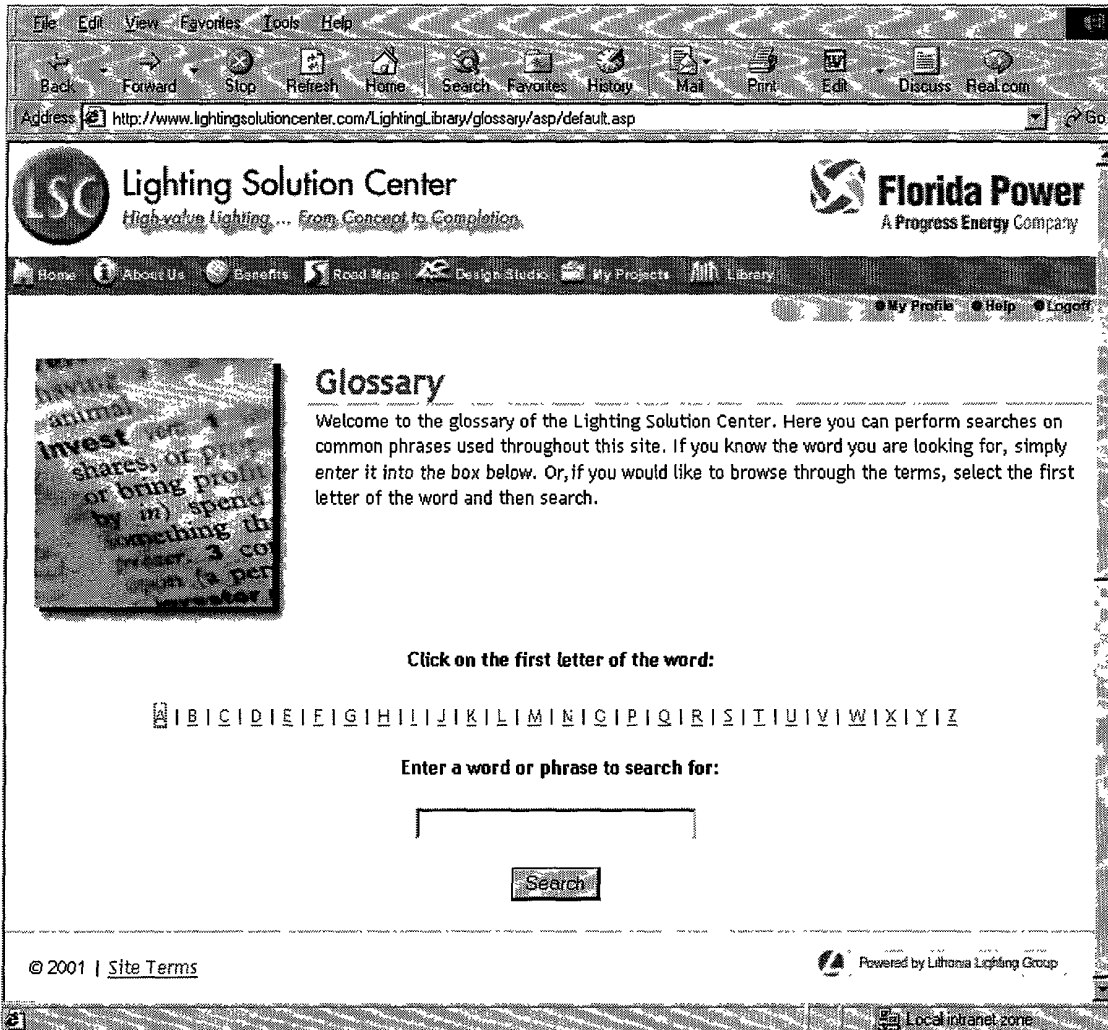


FIGURE 87

